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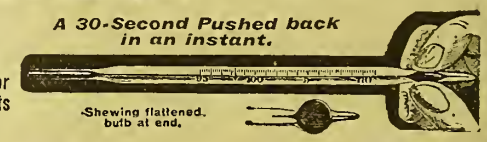

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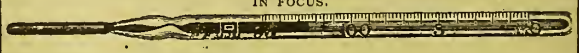

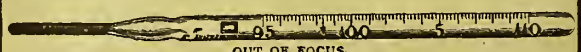

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LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,

31-35 Lower Castle, BRISTOL.

(1)

DECOLTENE The liquid hair remover

Dinkie The Dainty Deodorant

The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. Invaluable during the décolleté vogue. Daintily packed.

An attractive line that enjoys good sales. A greaseless Cream, that takes the odour out of perspiration. Daintily packed in opal jars.

Ask your wholesaler. Both articles largely advertised.

SATISFACTION GUARANTEED OR MONEY BACK.

TRADE TERMS.

DECOLTENE. Advertised and min. Retail price 3/9
Trade 30/- per doz.

DINKIE. Advertised and min. Retail price 2/6
Trade 20/- per doz.

5% cash with order. Carriage paid on £1 lots. Particulars on request.

ROBARTES, LTD., 128 JERMYN STREET, LONDON, S.W.1

Telephone - - Gerrard 3672.

BONE SHIELDS

AND MOUNTS, TOOTH & SHAVING BRUSHES

(Best French Make)

FROM STOCK.

WRITE TO

RENE HEYMANS (de PARIS),

1 Aldersgate Buildings, 90 Aldersgate Street, LONDON, E.C.

Telephone 3765 City.

BRIDGE BRAND

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R. W. GREEFF & CO. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries

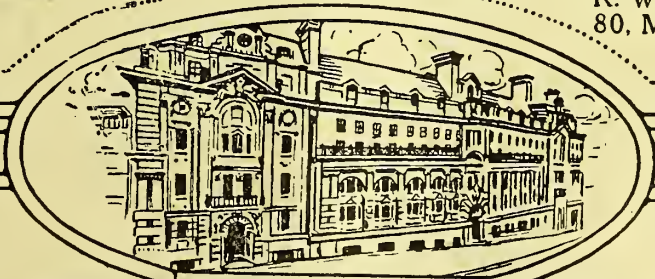
(WHOLESALE QUANTITIES ONLY)

Acetanilid
Acetyl Salicylic Acid
Amidopyrin
Barbitone
Beta Naphthol
Bromide of Ammonium
Bromide of Potassium
Bromide of Sodium
Chloral Hydrate
Cinchonine and Salts
Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Formaldehyde
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol substitute)
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Pepsines, Pancreatin, Peptone and other digestive Ferments
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
Salicylic Acid
Salicylate of Soda
Salol
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

R. W. Greeff & Co. THAMES HOUSE, QUEEN ST. PLACE, LONDON, E.C.

MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street.

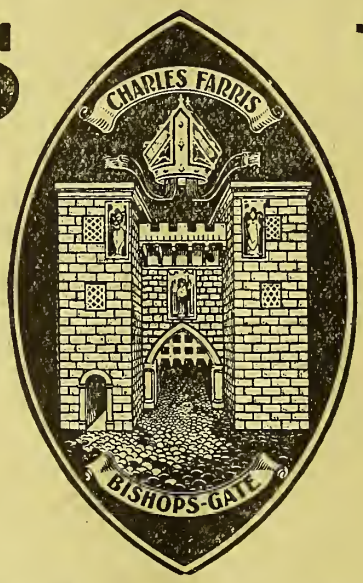
NEW YORK AGENTS:
R. W. Greeff & Co.,
80, Maiden Lane.



"FARRIS'S"

Real Old-fashioned Genuine Air Bleached

BEES WAX



FORD, SHAPLAND & Co

PRINTERS

We have specialised in Chemists' and Druggists' Printing for over 70 years. We have built up and maintained our reputation on quality and despatch. If you want

QUALITY PRINTING

send us your enquiries and we will submit suggestions and quotations. A few of our specialities are Labels, Cartons, Envelopes, Fine Art Show Cards, Dental and Optical Circulars, etc.

Agents for Registration of Trade Marks.

GREAT TURNSTILE, HIGH HOLBORN
LONDON
TEL. 65, CITY. TELEGRAMS: FORSHAPCO WESTCENT, LONDON.

TELEPHONE, CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS ELEVEN CENT LONDON

Maw's Page

S. MAW SON & SONS LTD (G.P.O. BOX No. 54) 7-12, ALDERSGATE ST LONDON E.C.1

NUMBER 296 JUNE 16, 1917

CABLES ELEVEN LONDON
CODE A.B.C. 4TH & 5TH EDITION

THE "ENCHANTRESS" SERIES.

We have just received our season's stock of these popular pure rubber Caps, repeating some old favourites and adding two new styles.

PRICES OF "ENCHANTRESS" CAPS.

	Per doz.		Per doz.
No. 0. Flat Frilled Edge	... 12/-	No. 3. Style as No. 4, but with rosette in front	30/-
„ 1. As illustrated ...	... 21/-	„ 4. As illustrated...	... 36/-
„ 2. „ „ ...	... 21/-	„ 5. „ „ ...	... 45/-

Colours—Royal Blue, Light Blue, Tan, Wistaria and Orange.

ORDINARY FLAT CIRCULAR CAPS.

"MERMAID," transparent oil silk, assorted colours...	Sizes 1, 2 & 3	15/-
"PRUDENCE," double proof, "Quaker Grey" ...	„	14/-
"SPOTTED SATEEN," red or blue, white spots ...	„	10/-
"FANCY SATEEN," assorted colourings and designs	„	9/-
"No. ELEVEN," proofed outside in assorted colours	„	7/-

CIRCULAR CHECK CAMBRIC CAPS.

		Per doz.
"SUPER" QUALITY	Sizes 1, 2, 3	14/-
"B/O" QUALITY	„	10/6
"DIAMOND" QUALITY	„	5/6

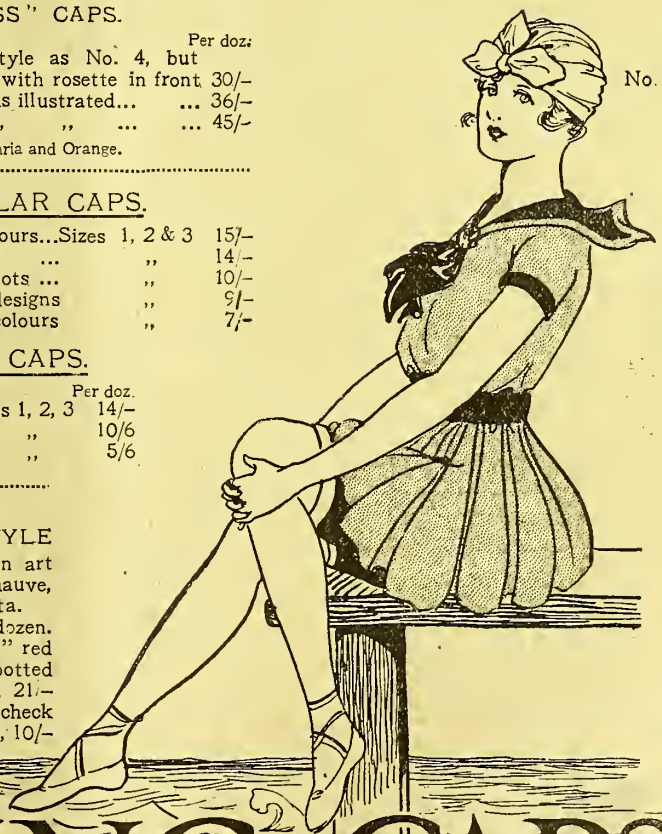
THE "PARISIAN."

THE "PARISIAN" STYLE

Proofed outside in art colours: blue, green, mauve, salmon and terra cotta. Price ... 27/- dozen.

Also "La France," red and blue sateen, spotted white. Per dozen ... 21/-

"Cygnet," in check material. Per dozen, 10/-



No. 4.

BATHING CAPS

A SEASONABLE SELECTION

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. SATURDAYS CLOSE 1 p.m.

GOOD!

IT'S MASON'S

EXTRACT OF HERBS.

The Drink for the Masses.

Millions of Glasses used daily by workers all over the Empire.

A CONSTANT USER SAYS:

Scole, Norfolk.

Gentlemen—

For years I took a glass of Malt Liquor before dinner to create an appetite, as I was a poor feeder. Some months ago I beard of your Extract foi making Beer. I gave it a trial and have ever since used it as a substitute for the other, and the result is most satisfactory. After being bottled a few days it is as bright and sparkles like bottled Ale. Since taking it ' have been free from the cruel pains of Indigestion from which I had suffered a long time. Now instead of going to the "public house" in the evening for my usual glass, I smoke my pipe at home, drink my Herb Beverage and enjoy it, go to hed and sleep soundly. I have recommended it to many others, who have tried it with like results. Your Agent here thought I ought to give you a testimonial.

I am, Sirs, yours truly, J. W.

Besides being a grand refresher, Herb Beer made from

MASON'S EXTRACT OF HERBS

is cheap. For **2d.** you can make a gallon of the most wholesome and invigorating beverage you ever tasted.

Please allow us to Sample and Quote—

Citrate Magnesia

Health Salt

Salines

Liver Salt

Blood Salt

Sulph.&Sarsap.Salt

Lemonade

Crystals, &c.

NEWBALL & MASON,
NOTTINGHAM.

LIQUID GLUCOSE

SO_2 Free.

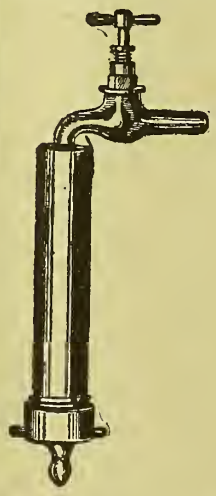
NO BLUEING USED.

Specially pure for Pharmaceutical Preparations.

THE
MANBRÉ SACCHARINE Co., Ltd.,

HAMMERSMITH, LONDON, W. 6.

PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT STATEMENT:

Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

WRITE FOR LIST B.

SOLE MAKERS:

The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY, LONDON, E.C.

TRUE BRITISH.

VINOLIA

ALL ALIKE PERFECT

VINOLIA

NURSERY REQUISITES.

WIDELY ADVERTISED.
RECOMMENDED BY THE MEDICAL AND NURSING PROFESSIONS.

VINOLIA BABY POWDER.

A perfectly pure dusting Powder, skilfully prepared from an entirely new formula. Keeps the skin cool and sweet, and prevents all chafing and soreness. Is put up in most saleable and attractive styles.

RETAIL PRICE.

Nursery Box, with Puff - - 2/- *complete.*
Dredger-top Refills for above - 6d. *each.*
Sprinkler Tins - - - - 10d. „

VINOLIA BABY SOAP

A guaranteed neutral and pure vegetable Soap, specially prepared for the tender skins of infants.
4½d. *per tablet;* 1/1½ *per 3-tablet Box.*

ROYAL VINOLIA CREAM.

An essential for all nurseries. Soothing and healing. Allays irritation.
In Boxes, 1/1½, 2/-, 3/9 & 6/9 *each.*

PROFITABLE - READY SELLERS.
Should be stocked by every Pharmacist.

R V 298—29

VINOLIA Co. LTD
LONDON — PARIS.

"ERASMIC" TOILET CREAM

Ref. No. 320.

SPECIAL OFFER.

With all orders for

	£	s.	d.
3 dozen 1/- pots, at 8/6 per dozen -	1	5	6
less 5 per cent. discount		1	3
	£1	4	3

we give six 1/- pots gratis.

A Profit of 73 per cent. on cost price.

Send for full particulars at once, as this special offer is likely to be withdrawn shortly.

"ERASMIC," Perfumers, WARRINGTON.

THESE CELEBRATED FRENCH PREPARATIONS are now ON SALE

At the London Branch, 5 Belfast Chambers, 7 Beak St., W.

SCIENTIFICALLY PURE.

"THE QUICKEST IN ACTION,"
"THE SAFEST IN USE."

Ask for our Special Offer to the Trade.

Radiozone (Oxygen) Baths

FOR the administration of Oxygen in a concentrated and highly nascent condition. Specially valuable in cardiac cases, with high arterial tension, in nervous and vaso-motor disturbances, insomnia, and auto-intoxication.

Patentees and Sole Manufacturers:

WRIGHT & CO., Silverlands, Buxton, England.

Prices and Literature on Application.

"RODINE'S CHARM

lies very evidently in its super-attractiveness which I have never known to fail."—*Extract from a Biological Expert's Testimony.*

Sole Maker:

HARLEY, Manufacturing Chemist, PERTH, SCOTLAND.

EXPORT AGENTS: Tozer, Kemsley & Millbourn, Ltd., 84 Fenchurch Street, London, E.C.

CALOX

The Oxygen Tooth Powder

The fact that, despite difficult conditions, Calox has not only held its ground but increased its popularity, gives added proof of its already well-proved value.

So perfectly does Calox meet the requirements of dental and oral hygiene that it enjoys the wide approval of eminent dental practitioners and the repeated recognition of the scientific press.

Calox is attractively packed and well advertised.

Price to Trade, 11/- per Dozen.

P.A.T.A. Plan, Stamped.

McKesson & Robbins (Incorporated), New York, U.S.A..

Manufacturers.

British Depot—G. B. KENT & SONS, Ltd., 75 Farringdon Road, London, E.C
Canadian Depot—Messrs. HAROLD F. RITCHIE & CO., Ltd., 10 McCaul St., Toronto.
Australian Depot—Messrs. GEORGE WILLS & CO., Ltd., Adelaide, Melbourne, Sydney, Brisbane and Perth.
New Zealand Depot—KEMPTHORNE, PROSSER & CO.'S NEW ZEALAND DRUG CO., Ltd., Dunedin, Christchurch, Wellington and Auckland.
French Depot—Messrs. ROBERTS & CO., 5 Rue de la Paix, Paris.
Spanish Depot—COMPANIA DENTAL ESPANOLA, Cedaceros 4, Madrid.
Philippine Islands—MANILA TRADING & SUPPLY CO., Manila.
Argentine Republic—WM. BURMESTER, Buenos Ayres.
Chili—HUMBERTO CARASCO, Valparaiso.

TITTERTON'S CELEBRATED HAIR BRUSHES

GOOD PROFITS are made by selling **TITTERTON'S CELEBRATED BRUSHES** *(Hair, Tooth, Nail & Shaving Brushes).*

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

TITTERTON & HOWARD,

Brush Manufacturers,

8 & 10 Great Titchfield St., London, W.

8d.

Make your old Hat a new one.

In bottl s, 8d. each, in separate neat carons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

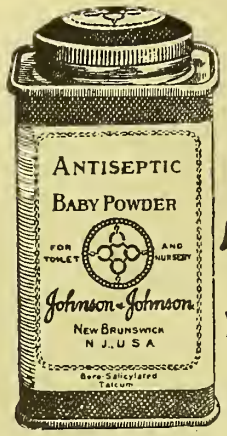
WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.

London Depot; 60-62 Clerkenwell Road, E.C.

"Glossy" Series supplied if desired.

Special Non-Inflammable Series for Export. *Est. 1878*

Telegraphic Address: "Dullette Kendal." Telephone: No. 214.



ANTISEPTIC BABY POWDER

MANUFACTURED BY

Johnson & Johnson.

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

WARNING.

The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

Look for the Name and Trade Mark

JOHN TIMPSON & CO., Ltd.,
104 Golden Lane,
LONDON, E.C.

TIN FOIL

BRITISH MAKE

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, foodstuffs, etc. In sheets or reels—large or small quantities

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

SHAVING STICK CASES. SCREW-CAPS, ETC

Venesta Ltd
1, GREAT TOWER ST.
LONDON

Two of the World's Face Powders.

POPULAR
EVERYWHERE.

BOURJOIS'
Eyebrow Pencils,
Rouges, Perfumes,
Soaps, etc.,
always command a ready sale.

Bourjois' Java Powder.
Price 9/5 doz.; 12 doz. 8/10. P.A.T.A. 1/- per box.

Bourjois' Poudre Manon Lescaut.
Price 25/1 per doz. P.A.T.A. 2/9 per box.

SOLID FACE POWDER (Poudre Compacte)

BOURJOIS of PARIS is the POWDER HOUSE.

Our Solid Powder, with Puff, **No. 65, IS THE BEST.**

Made in Seven Tints. Rose, Naturelle, Rachel, Blanche, Rosette Brun, Ocree, and Mauve. **7/7 per doz.**

☛ DO NOT BE MISLED BY BUYING CHEAP AND WORTHLESS IMITATIONS OF THIS ARTICLE. ☚

HENRY C. QUELCH & CO., 4 & 5 Ludgate Square, LONDON, E.C. 4.

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition.

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

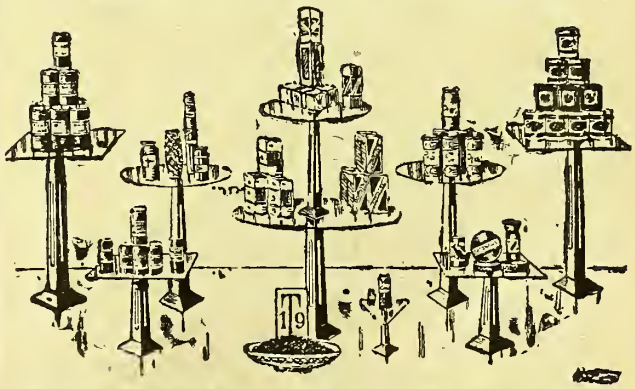
'Phone: 186 Bootle. Wires: "Cestrian Liverpool."

W. DAVIS
100 WOOD ST., E.C. 2.
'Phone: City 8220
for OPEN WINDOW DISPLAYS

SHOPFITTERS & SUNDRIES
DECORATIVE & NEEDFUL

W. DAVIS
100 WOOD ST., E.C. 2.
'Phone: City 8220
for OPEN WINDOW DISPLAYS

Write for our List, showing many New Designs for open Window Displays.



No. 117. Window Set, consisting of 2 27 in., 1 24 in., 2 18 in., 3 12 in., 2 9 in. polished oak pedestals; 2 18 in. by 12 in. plates, oblong; 2 18 in. by 12 in. oval; 1 16 in. by 10 in. oval; 1 24 in. by 18 in., 2 16 in. by 10 in. oblong; 2 12 in. by 12 in. angle plates.

71/- Complete.

Our WINDOW PAPERS are 2/9 per roll of 12 yards, 21 in. wide. WRITE FOR SAMPLES.

DR. EVAN WILLIAMS' ORIGINAL HENNA SHAMPOO

A Business Vitalizer, something with Real Force behind it.

Apply for Descriptive Price List and Trade Terms.
289, OXFORD ST LONDON, W.

"Newbery's"

FRANCIS NEWBERY & SONS LTD

No. 7 Brillantine

À LA Violette (inseparable)

A Ready and Constant Seller. Good Value to Customer and Good Margin of Profit to Retailer.

3-oz. Size ... ... 4/6 doz. net.
6-oz. „ ... ... 7/6 „

Customer's own Name & Address on orders for 6 doz. single or mixed sizes.

Charterhouse Square, LONDON, E.C.1.

TRUE FLYCATCHERS! 2.

THE "FLYSAC" Reg. Trade Mark Pat. No. 20631-1908

THE "VAMPIRE" Reg. Trade Mark Pat No 4172-1899

THE "VIPER" Reg. Trade Mark Pat No 566-1909

The "VIPER" can be had in two widths, either 2 ins. or 4 ins. State which required when ordering.

PROMPT DELIVERIES! BIG PROFITS! QUICK RETURNS!

No Experiment, but a proved Success

WELL MADE AND WELL ADVERTISED.

Send for Samples. They bear out our claims.

SOLE MAKERS AND PATENTEES:

KAY BROTHERS, Ltd., Stockport.

Nat. Tel. 247. Telegrams: "KAY, STOCKPORT."

(30 years' experience in the manufacture of Birdlimes and Flygums.)

Chocoloid advertising appears in Strand, Wide World, Cassell's, and New Magazines—Storyteller, Quiver, Woman at Home, and in Tit-Bits, John Bull, Cassell's Saturday Journal, Woman's Life, and News of the World—also in national and local daily newspapers.

Millions

of advertisements each month are increasing the demand for Chocoloids.

AT the commencement of the present advertising campaign, the total circulation of papers carrying Chocoloid advertising was over twelve millions per month.

The sales justified an increase in expenditure, and our policy was intensive local schemes here and there. Consequently each week sees new papers added to the list, with a corresponding increase in the popularity of Chocoloids.

Chocoloid advertising covers the whole of England and Scotland, and appears in the popular magazines, weekly journals and newspapers, and in daily newspapers.

Chocoloids

Regd.

The *Cure* for Constipation

Our aim is to get the public to ask their local Chemist for Chocoloids. Should he be unable to supply, we offer to send a box post free on receipt of purchase price.

The results of wholesale sales and "mail-order" inquiries have been gratifying, and we want to turn the "sales-tide" into your shop.

This advertisement is an appeal for your help.

We can work together to our mutual advantage if you send an order for a supply of Chocoloids to-day.

As a remedy for Constipation and the consequent derangement of the whole system, Chocoloids are unique. It matters not whether the case is slight or severe, Chocoloids will prove the most beneficial medicine that can be taken.

On the P.A.T.A. List.

25% Profit. The value of Chocoloids as a specific, and the attractive and sales-making value of our advertising, ensure a good return on any capital invested. Chocoloids sell to the public in handy metal boxes at 1/3 and 2/6, and show to the retailer a profit of 25 per cent.

Advertising Matter Free. We help you to sell the goods by our extensive advertising, and by supplying with each order a sufficient quantity of attractive booklets & showcards.

Ensure your share of increased business by ordering TO-DAY.

Chocoloids may be obtained from Wholesalers, or from—

THE CHOCOLOID CO.

Stirchley Laboratories - - BIRMINGHAM.

TRADE MARK

THE MOST ECONOMICAL INFANTS' FOOD.

"FRAME FOOD"

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

WINCARNIS

Sells readily ALL the time.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT,

Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

FINEST QUALITY
MILK POWDER. CASEIN.
Inquiries and Orders Solicited.
PRIDEAUX'S LTD., DEPT. C, MOTCOMBE, DORSET
LONDON OFFICE :
10 HOP EXCHANGE, Southwark Street, S.E.

ALL CHEMISTS SHOULD STOCK **ABDINE**
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Quarter of a Century's Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2½d.; Boxes of 13 Packets 1/3.
Order through your Wholesale Drug House.
D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.
Wholesale Prices on Application

ASBESTOS
FILTER FIBRE
PURE, NEUTRAL AND INSOLUBLE.
SPECIALLY prepared for the filtration of Water, Beer, Spirits, Wines, Gelatine, Pharmaceutical Products and Essences.
GIVES A CLEAR AND SPARKLING FILTRATE AT A MINIMUM COST.
Write for Samples and Prices to
TURNER BROTHERS ASBESTOS CO., Ltd.,
ROCHDALE, England.

FREEMANS
REAL TURTLE Soup Cubes
"Ready to Serve."
Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.
Made in a minute with boiling water.
To retail in 1/- Cartons containing 4 Cubes,
THE WATFORD MFG. CO., LTD.,
Makers of
Freemans Table Dainties Boisseliers (Boy-se'-e-e) Chocolates and Vi-Cocoa,
Victoria Wks. Watford
Freemans READY SOUPS Watford

Genatosan's
Fortnightly Letter

No. 1.—Preparing for Summer Sales.

Dear Sir,

During the recent hot spell there was a remarkable increase in Sanatogen sales—an increase which augurs well for the summer season.

Come to think of it, you would naturally suppose that people would need Sanatogen more in the enervating "dog-days," when everyone is apt to feel languid and over-tired, than in the autumn and winter.

Our predecessors held a different theory. They believed that the average person's health is at its best in the summer, and that anyway he is too much occupied with the holiday question to think about any other means of keeping fit at this time of the year. So they stopped advertising during June, July and August, with the inevitable result that the demand for Sanatogen was then at its lowest.

Whether or not this theory was a sound one in pre-war days, we certainly do not think that it will hold good during the present abnormal times.

We believe in fact that the demand for Sanatogen will be greater than ever during the next three months, because the strain of war will apparently be increased—with a corresponding increase in nervous disorders—and also because holiday-making facilities have been so restricted that very few people will be able to recuperate their health in this way.

We have, therefore, decided to carry on with "advertising as usual"—or nearly as usual—and we feel sure that you will welcome this innovation, and help us to get record sales for Sanatogen this summer.

We are, dear Sir,
Yours faithfully,
GENATOSAN, Ltd.
Chairman: LADY MACKWORTH.
12, Chenies St., London, W.C. 1.

CASEIN

ALIMENTARY AND INDUSTRIAL

Dairy Produce Importers.

NIEUWHOF, SURIE & CO., LTD.

Office : 5 LLOYD'S AVENUE, LONDON, E.C.

Works & Warehouses : 9 ALDGATE AVENUE, LONDON, E.

TELEPHONES - - AVENUE 34 & 35
TELEGRAMS - - "SURICODON, LONDON."

A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY Co., Ld.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

THAT'S ALL

What we require from you is a stamped addressed envelope. We guarantee to get your business when you see our terms and receive our sample which we send gladly FREE and POST PAID.

NI-VERRE CHEMICAL COMPANY,
5 to 7 Ormeau Avenue, BELFAST (Ireland).

We can supply spot or at short notice

SALICYLIC ACID B.P.

BEST ENGLISH XTLS

In parcels of 1 cwt. to 1 ton.

The Central Export Bureau, Trafalgar Buildings, One Charing X; W.C.2

NO MORE "FLAG" DAYS
if you use
SEMREH
BOTTLE CAPS
Your output will not flag, because they are
SELF - FIXING.
REAL TIME-SAVERS.
DETAILS FROM
THE VISCOSE Development Co., Ltd., BROMLEY, KENT.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.	5/6
" " " " "	1/2	10/-
" " " " bottles in cartons	1/6	12/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema 13/6 per dozen boxes net.

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

F. M. RUDD,
Bronson,
MICHIGAN,
U.S.A

GENUINE AMERICAN
PEPPERMINT OIL

"Columbia" Natural
"Diamond White"
Re-distilled.

Finest qualities for Druggists, Distillers and Confectioners.

Sole Consignees in United Kingdom—
R. W. GREEFF & CO.
Thames House,
Queen St. Place, LONDON, E.C.

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

Boake Roberts'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash Vanilla

A. Boake Roberts & Co. Ltd.
Stratford, London

THE name THERMOS has slipped into the language because it is the name of a useful and valuable thing. A thousand times a day the name is spoken in conversation; it makes dozens of appearances each day in print, not alone in our extensive advertising but in the news and literature of every kind.

You do not have to force sales of the genuine THERMOS, it sells itself and makes money for you. Link up with this valuable selling force by discarding imitations and selling the genuine article.

Catalogues, etc., on request.

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Sanaphos

T. M., Reg.

For all Disorders of Nutrition and Nerves

NUTRITION needed for nerves in neurasthenia and nervous debility in these nerve-wearing and distracting times is amply supplied by SANAPHOS, which is not a one-constituent food, but is replete in tissue-repairing and energy-giving constituents.

These are supported by the phospho-nucleins and other organic phosphorus compounds, enzymes and vitamin which ensure assimilation and repair, restoring to the organism tone, nerve fitness and vigour.

SANAPHOS has an attractive milk-like flavour and is soluble. Patients take it readily, and it has given most valuable results in all debilitated conditions, restlessness, insomnia, and helps in a very striking way in bringing those weakened by illness back to strength.

Sanaphos is *and always has been* wholly British.

SANAPHOS is procurable at fixed prices from all Chemists and Stores throughout the world.

For all information address :

BRITISH MILK PRODUCTS CO., LTD.

69 MARK LANE, LONDON, E.C. 3.

HOOKER'S MALTED MILK

"A complete food." — *Lancet.*

SELLS ENTIRELY ON MERIT.

There is no Higher Quality or Better Value

BRITISH MADE & BRITISH OWNED

DEMAND RAPIDLY INCREASING.

LARGE PROFITS TO SELLERS.

PRICES AND TERMS FROM

THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

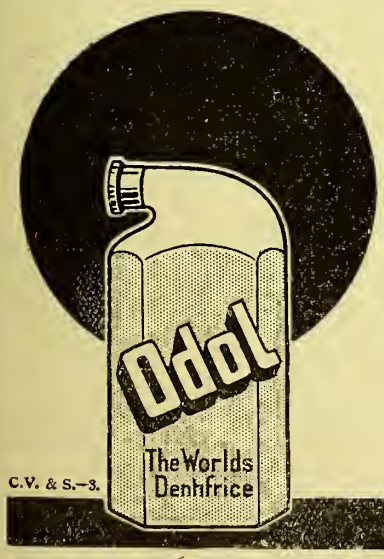
Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

BRITISH NOW



Send for Price List and Trading Terms.

ODOL
Chemical Works,
BERKHAMSTED.

C.V. & S.—3.

You Reap the Profits!

The above is only one of the many forceful advertisements now appearing in the most influential National publications and Fashion periodicals telling housewives that Iron-mould is no longer immovable. MOOVOL contains no injurious acids and is not harmful to the most delicate fabric.

ARE YOU PARTICIPATING IN THE PROFITS?

Send a P.C. for trial stock and display material to

WM. EDGE & SONS, LTD.,
BOLTON, LANCS.

(THE DRUMMER DYE PEOPLE.)

Colton's Pharmaceutical Machinery.

COLLAPSIBLE TUBE FILLING and CLOSING MACHINES.

TABLET AND PILL PLANT, etc.

LISTS FREE ON APPLICATION

HAND-FILLING MACHINE.

JOHN J. GRIFFIN & SONS, LTD., KINGSWAY, LONDON, W.C.

There is no better Flask made than the

"ALL BRITISH" VACUUM FLASK,

of which not only the protective outer casing but the essential glass vacuum bottle are

MADE IN ENGLAND.

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AERATORS LIMITED

"Prana" Sparklet Works,

UPPER EDMONTON, LONDON, N.

CHEMICAL PLANT

FOR NEARLY ALL INDUSTRIES IN

STEEL, CAST IRON, BRONZE AND SPECIAL ALLOYS

OR

TANTIRON

ORGANIC & SYNTHETIC PRODUCTS,
SALICYLIC ACID & SULPHONATED,
CHLORINATED & ACETYLATED COMPOUNDS.
PLANTS FOR NITRIC, SULPHURIC & HYDROCHLORIC ACID.

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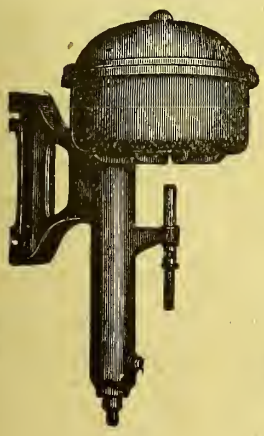
GLENVILLE GROVE, NEW CROSS, LONDON, S.E.

Telegrams: "Equifex Dept., London." Telephone: New Cross 770.

STOKES' AUTOMATIC WATER STILL. SIMPLICITY ITSELF.

STOKES' GAS-HEATED WATER STILL will distil half to two-thirds of a gallon per hour.

NO LICENCE NECESSARY.



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Only requires Gas and Water Connections.

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The Northern Tin Canister Works,

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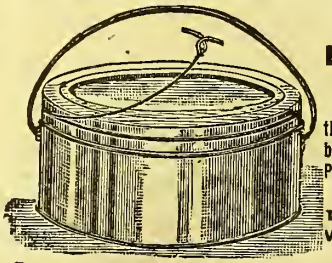

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TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Patent Air Tight Slip-lid Tin For Export.

Prompt Deliveries Assured.

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with established Offices in Calcutta and Colombo, are open to accept further sole agencies for India and Ceylon. This Company is owned by a well-known European, who has exceedingly good connections all over India. Manufacturers of Patent and Proprietary Articles, Chemicals, Drugs and Galenicals, cannot obtain better representation in India than that now offered. CORRESPONDENCE INVITED.

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C.
SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK.
Lightest and Whitest, also Purest Dense
APPLY TO
AUG. LEVERMORE & CO. Ltd., 8-10 Ct. St. Helens, LONDON, E.C.
Telegrams: "LEVERMORE LONDON." Telephone 4613 Central

Hot Water Bottles
BEST ENGLISH MAKE. HEAVY WEIGHT.
Send for Prices to
GALEN MANFG. CO., LTD.,
Wilson Street, New Cross, London, S.E.

SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
TRIAL BOTTLES 7d. size supplied on pretty showcards.
5/- doz.; 1/2 size, 11/- doz.; 8/6 size, 33/- doz.
THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

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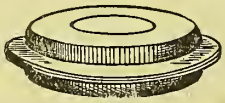
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WEST-END PHARMACY SUPPLY
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231 Regent St., LONDON, W. 1.
The best quality,
— 2/6 per 1000. —
All sizes, plain and embossed.
Orders accepted for coloured & printed.
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S.V.M. WINES FOR CHEMISTS. **S.V.R.**
A. MACNAIR & Co. *Dolphin Distillery Ardwick. MANCHESTER*

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(DR. BALMAIN'S.) As supplied to H.M. Government.
New department of Luminous painted articles.
Good Selling Lines for Chemists.
Luminous Paint and Radio-Active Compounds.
Sole Manufacturers: HORNE'S LUMINOUS CO., Ltd.,
"ST. KATHERINE'S," London Road, North Cheam, Surrey.

CACHETS "FINOT"
(White or Coloured),
With Inscriptions in any desired tint; also Plain or Embossed.
"Beautifully made and the inscriptions give them a distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON,
In 17 Sizes, to fit the various types of Cachet Machines.

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CHARTERED PATENT AGENT,
PATENTS, TRADE MARKS AND DESIGNS.
THE OLD MANSION HOUSE, 73 Cheapside, E.C. and QUEEN ANNE'S CHAMBERS, WESTMINSTER, S.W.

DISINFECTANTS
OF ALL KINDS
Cheapest Makers of Co-efficient Acids and Fluids.
HENRY ELLISON, LTD., CLECKHEATON, YORKS

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Every known Brand at Manufacturer's own List Prices. Endless variety of Tobacconists' Fancy Goods & Shop Fittings. The Trade only supplied Opening orders a Speciality. Send for Price List.
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TRADE MARK
15% to Trade.
Tel.: Central 1960.
WRINKLES ABSOLUTELY REMOVED BY
Denova
in dainty Doulton Pots.
THE THAMES CHEMICAL COMPANY, LTD.,
Amberley House, Norfolk Street, Strand, W.C.

Van Horn and Sawtell
—LONDON AND NEW YORK— MAKERS OF
"K-Y" LUBRICATING JELLY
IN COLLAPSIBLE TUBES AND OF
"Van Horn" Sterile Sutures and Ligatures
IN GLASS TUBES — PRICES ON APPLICATION
81-83 HIGH HOLBORN, W.C.

INVESTIGATE
The Py-Shan Points Co-operative Sales plan—we think it will interest you. It has a regular weekly sale, gives 4d. per lb., profit, and sales are confined to chemists. Just a card for particulars now to
CHRISTYS, OLD SWAN LANE, E.C.

"YADIL" ANTISEPTIC

Complete Internal and External Antisepsis.

WE have recently perfected an antiseptic of unique properties, for which we have registered the name **"YADIL"** in the principal countries of the world.

This antiseptic is characterised by the fact that, although much more powerful than phenol, it can be taken internally without the slightest risk to the most delicate tissue and membrane, realising at last complete internal and external antisepsis.

Its other characteristics are the following:—

Non-toxic, non-caustic. Contains no copper, mercury, arsenic, ether, alcohol, phenol or cresol. Does not coagulate albumen. Does not modify hæmoglobin. Increases the activity of the phagocytes. Is intensely diffusive and possesses powerful cell-proliferant properties. Does not stain nor deteriorate. Is fully miscible with water and has strong deodorising powers. Can be used freely internally and externally in all cases of micro-organic infection.

"YADIL" is not advertised to the public, but is being made known to the medical profession as fast as possible. Remarkable successes have been obtained in hospital practice, and from hospitals the use of **"YADIL"** is spreading to the Medical profession. The number of prescriptions for **"YADIL"** is increasing rapidly, not only in London, but all over the Kingdom.

We make this announcement in order that Chemists called upon to fill prescriptions for **"YADIL"** may know where to obtain it. Orders should be placed through wholesale firms.

Sizes	**2 oz.**	**6 oz.**	**20 oz.**	**40 oz.**
Retail Prices	**1/6**	**3/-**	**8/9**	**16/-**

Sole Proprietors and Manufacturers:

CLEMENT & JOHNSON, 19 SICILIAN AVENUE, LONDON, W.C. 1.

"TETRA" CRÊPE BANDAGES

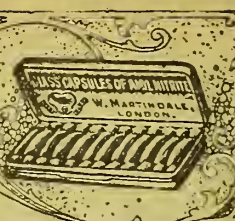
The Crêpe that can be Boiled.

We remind Chemists and Druggists that we supply **"TETRA" Crêpe Bandages** sealed at both ends with seals, bearing their name and address free of charge, on all orders for 3 dozen or more, assorted sizes. Orders must be placed through wholesale firms. Hundreds of Chemists, in all parts of England, Scotland, Ireland and Wales are taking advantage of our offer of free seals. Handsome Showcards, for counter and window supplied.

"TETRA" Crêpe Bandages are made in 10 widths, ranging from 2 in. to 12 in., all of which are always carried in stock. There is no delay whatever in filling orders for **"TETRA" Crêpe Bandages,** which can always be supplied by return of post through Wholesale Houses.

Sole Distributors for the British Empire of all "Tetra" Specialities (through Wholesale Houses only):

CLEMENT & JOHNSON, 19 SICILIAN AVENUE, LONDON, W.C.1.



We Offer to Advantage:

Alcohol (all strengths)
Atophan (chemical equivalent of)
Benzaldehyde
Benzidine
Benzonaphthol
B.I.P.P.
Brilliant Green
Brom-Albumen
Capsules (Gelatin & Glass)
Chloralamide
Colloidal Metals
Dakin's Solution
Diffusol (Martindale's LYSOL)
Dimethyl-Glyoxime
Effervescent Preparations
Emetine-Bismuth-Iodide
Emetine HCl. and HBr.
Erythrol Nitrate Tabellae
Eusol
Formaldehyde
Four Gland Tablets
Glucose
Glycerin Substitute
Iodine Skin Sterilising Capsules
Lanolin
Mercurial Injections (all varieties)
Mercurialised Serum
Moss Preparations
Naphthol (Alpha & Beta)
Neutral Red
Oils (Essential and Expressed)
Ovules
Paraffin No. "7"
Phenolsulphonephthalein
Phloroglucin
Piperazin
Resorcin, and preparations of
Scarlet "R"
Sod. Barbitonum
"Sterules" (Hypodermic)
Tablets of every description
Thiosinamin
Tribromphenol Bismuth (Xeroform)
Trilactine Preparations
Tuberculins, British
Vaccines Wimpole (Sole Agents)

We hold the MOST VARIED STOCK IN LONDON
INQUIRIES BY POST RECEIVE IMMEDIATE ATTENTION

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MANUFACTURING CHEMIST,
10 NEW CAVENDISH ST.,
LONDON, W.

The Chemist Above All

is the best fitted to command the business of supplying foods for infants. But there is a large percentage of the business out of his hands, viz.—the supply of humanised milk.

Now you, and every chemist, can share even in this by taking every opportunity of advising the preparation of the milk at home with

TRADE MARK **'KEPLER' Malt Extract**

The method is rapidly gaining ground, to the advantage of the many chemists who are co-operating with Burroughs Wellcome & Co. in cultivating this business. Are you participating?

BURROUGHS WELLCOME & CO., LONDON

To prepare Humanised Milk

Cream	2 fluid ozs.
Cow's Milk	9 " "
Water	17½ " "
'KEPLER' Malt Extract	1½ " "

It must be 'KEPLER'

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CLOSE TO THE EAGLE.

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THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

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Head Office: 42 CANNON STREET, LONDON, E.C.4.
Telegrams: "Chemicus Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, June 17.

Pharmacists' Volunteer Corps, Imperial College Union, Prince Consort Road, South Kensington, London, W., at 10 A.M. Afterwards entrain for field-day in Richmond Park. June 19, 20, and 21, drill at 3 P.M.

Wednesday, June 20.

Pharmaceutical Society of Great Britain: North British Branch, 36 York Place, Edinburgh, at 3 P.M. Annual meeting of the members of the Pharmaceutical Society residing in Scotland.

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 P.M. Messrs. E. Heron-Allen and A. Earland on "*Nouria rugosa*, a New Species of Foraminifera from the Faroe Channel."

Thursday, June 21.

West Ham Pharmacists' Association, Earlham Hall, Forest Gate, London, E., at 3 P.M. Mr. Hugo Wolff will address the meeting.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M.

THE ANNUAL PICNIC in connection with the Birmingham Pharmaceutical Association, which was provisionally arranged for June 20, will not be held.

European War News.

Import and Export Notices.

AUSTRIA-HUNGARY.—According to a Ministerial Decree of May 18, the exportation of sodium silicate is prohibited.

LUXEMBURG.—The exportation of edible fats and oils and rice is prohibited.

RUSSIA.—In view of the scarcity of tonnage and of the importance of reducing congestion of traffic in Norway and Sweden, all persons desirous of exporting goods to Russia *viâ* Scandinavia should send full particulars as soon as possible to the Transit Department of the Russian Government Committee, India House, Kingsway, W.C. 2, who will endeavour to arrange shipment. In the case of goods whose export is prohibited, application should only be made when the necessary permission has been obtained, and the number of the relative war-trade licence or C.I.R. permit should be quoted.

UNITED KINGDOM.—The Director of the War Trade Department has agreed to arrange for regular conferences to be held at stated intervals at the Department's offices to discuss matters of interest to the chemical-trade in much the same way as questions connected with the wool-trade have been discussed at conferences for some time past. Lord Emmott has suggested that the best procedure is for the Chambers of Commerce interested to submit to the Department at the beginning of each month a summary of the subjects which are important enough to bring up at a conference, specifying the particular chemical, drug, or dye which they desire to discuss. If the list of subjects is of sufficient magnitude and importance to make a conference of undoubted interest to all parties, the conference would be convened; if not, the matter would be dealt with by direct correspondence with the Chambers concerned.

Personal.

MR. A. NEWTON, representing Oldfield, Pattinson & Co., has been promoted to captain, 4th Battalion Lancashire Volunteer Regiment.

SECOND-LIEUTENANT H. M. LANCASHIRE, Royal Irish Rifles, has been wounded. He is a son of Mr. H. M. Lancashire, J.P., Ph.C., Ballymena

PRIVATE H. HUBY, West Yorkshire Regiment, who was with Wood & Bedford, manufacturing chemists, Leeds, when he joined up, is reported as missing.

MR. R. GLEIG, Liverpool, the North of England representative of Henry C. Quelch & Co., druggists' sundriesmen, 4 Ludgate Square, London, E.C., has joined the Colours.

ACTING-CAPTAIN B. A. SAUNDERS, West Yorks Regiment, who has been awarded the Military Cross, is the youngest son of the late Mr. T. B. Saunders, Cleckheaton Chemical Co.

SECOND-LIEUTENANT W. T. TURNER, Royal Irish Rifles, son of Mr. J. Tyrie Turner, Ph.C., Carrick-on-Suir, has been commended for gallant conduct by the Commanding Officer of the Irish Division.

PRIVATE A. V. HOARE, London Regiment, who has been serving in France and has just been awarded the Military Medal, is son of the assistant cashier of Edward Cook & Co., Ltd., soapmakers, London, E.

LANCE-CORPORAL GEORGE SHIRREFFS, Gordon Highlanders, has been awarded the Military Medal for gallantry on the field. Prior to the war he was assistant with Davidson & Kay, chemists and druggists, Alford Place, Aberdeen.

PRIVATE DANIEL SMITHIES MITCHELL, aged nineteen, of the Manchester Regiment, whose home is in Marlborough Street, Oldham, is officially reported as "missing." When called to the Colours he was serving his apprenticeship with Boots, Ltd., Moss Side, Manchester.

LIEUTENANT J. G. BUTTERFIELD, of the R.F.A., son of Mr. J. W. Butterfield, pharmacist, of Market Street, Darwen, who has been twice previously recommended for the Military Cross, and who received promotion recently, is in the latest Army List as having been awarded that decoration.

CADET R. P. WHITE, chemist, son of Mr. W. Everard White, dispensing chemist, Gainsborough, has been gazetted second-lieutenant in the Royal Garrison Artillery. He was previously a sergeant in the R.A.M.C., and has seen active service at Suvla Bay, in Egypt, and France.

RIFLEMAN R. H. ATTRILL, Hants Regiment, who was assistant with Mr. W. Thomas Smith, pharmacist, Bembridge, I. of W., is in hospital at Port Said wounded in the arm and chest, the right arm having been amputated. He was mobilised as a Territorial at the outbreak of war, and served in Gallipoli. In October 1915 he went to Nasrich Hospital, Cairo, and on recovering from gastritis and influenza he removed to Bonlac Palace Convalescent Hospital, Cairo, where for seven months he acted as dispenser. He then returned to the fighting line in Palestine.

Miscellaneous.

SIX HOSPITAL UNITS of the United States Army have reached this country for service with the Allies. A special orthopædic unit has also arrived for work in the military hospitals in the United Kingdom.

PROTECTED OCCUPATIONS.—The Local Government Board have issued a circular to Military Tribunals in regard to the schedule of protected industries referred to in THE CHEMIST AND DRUGGIST recently. It does not deal especially with the drug-trade, but the arrangements in regard to substitution service would probably be the same. The Tribunals are instructed to adopt the following procedure:

If the Tribunal consider that a man should be made available for the Army, and are clearly satisfied that it would be contrary to the national interests to make him available until a substitute is provided, they

(i) May adjourn the case for a short time for the provision of a substitute; or

(ii) May grant exemption on the condition that it is to terminate immediately a substitute is provided (the "non-renewable" condition should also be added); or

(iii) May refuse exemption and arrange with the military authorities, if the latter agree to this course, that the man is not to be called up until a substitute is provided.

Military Tribunals' Decisions.

THE FOLLOWING CASES have been reported since our last issue:

ALTRINCHAM.—The Joint Committee dealing with the releasing of Cheshire chemists for military service have considered the question of the calling-up of certain chemists in the Altrincham district, and have decided that, provided no further chemists are called up, no objections would be made to two being released for the Army, and one transferred for service to another shop and to act as a dispenser at the Altrincham Hospital. In the case of the chemist, the Tribunal was recommended that he be transferred and also act as dispenser at the Altrincham Hospital. The employer, however, appealed for him, and stated that this man has taken up the management of one of his shops in another town. Further, the proprietor of the shop to whom it was suggested the man should be transferred has intimated that he does not require his services, as he intends to manage his shop himself. The employer of the man undertook to do all the work of dispensing for the hospital at his own shop or as might be arranged, and on that understanding it was agreed that the man should be conditionally exempted and that the employer should retain his services.

BERMONDSEY.—Meggeson & Co., Ltd., manufacturing chemists, were granted two months' exemption for the head of their wet-drug department.

CASTLEFORD.—The appeal of Mr. J. W. Clegg, dispensing chemist, for his assistant, C. V. Flower, was dismissed.

CRANBROOK.—The appeal was dismissed of Reginald A. Hudson, dispenser with Mr. A. W. Hudson, dispensing chemist. Notice of a further appeal has been lodged.

HOLYWELL.—The application by Mr. Samuel Jones, dispensing chemist, for the exemption of his assistant, W. J. Ames, was referred to the Appeal Tribunal.

HUNTINGDON.—Conditional exemption was granted to Mr. H. J. Goggs, dispensing chemist (Beck & Goggs), and to Mr. A. E. Sewell, dispensing chemist.

KINGSTON-ON-THAMES.—The application for exemption of J. C. May, dispenser, was refused.

LIVERPOOL.—Three months' exemption from June 30 was granted to Leslie O'Brien, chemist to Fairrie & Co., Ltd., sugar refiners.

LONDON (CITY).—Mr. B. F. Davis, F.I.C., chemist to the Nitrogen Fertilisers, Ltd., was ordered to report to the Colours in three weeks.

MALVERN.—In regard to the decision in the case of Mr. C. H. Derbyshire, Ph.C., recorded in the Coloured Supplement, June 2, we find that it was the military appeal in this case which was refused. Mr. Derbyshire's conditional exemption from military service has not been withdrawn.

PONTEFRACT.—Conditional exemption was granted to H. A. Brough, assistant to Mr. Alfred Collins, dispensing chemist.

ROCHDALE.—Exemption until August 31 was granted to Mr. T. J. C. Goodhew, manufacturing chemist.

SOUTHWARK.—The application of the Military Representative for a review of the conditional exemption certificate of W. T. M. Perrin, dispenser with Stevens & Co., Ltd., chemists, Borough High Street, was adjourned for a month so that the Joint Pharmaceutical Committee could be consulted on the matter.

SURBITON.—The exemption certificate of Mr. H. S. Durbin (Durbin's Drug Stores, Ltd.) was renewed, and a dispenser in the employ of the company received another month's exemption.

Venereal Disease Act, 1917.

THE following is the text of this measure, which became law on May 24:

An Act to prevent the treatment of venereal disease otherwise than by duly qualified medical practitioners, and to control the supply of remedies therefor; and for other matters connected therewith.

Prevention of the Treatment of Venereal Disease otherwise than by Duly Qualified Persons.

1.—(1) In any area in which this section is in operation, a person shall not, unless he is a duly qualified medical practitioner, for reward either direct or indirect, treat any person for venereal disease or prescribe any remedy therefor, or give any advice in connection with the treatment thereof, whether the advice is given to the person to be treated or to any other person.

(2) This section shall operate in any area to which it is applied by order of the Local Government Board, or, in Scotland and Ireland, the Local Government Board for Scotland and Ireland respectively:

Provided that no order shall be made in respect of any area until a scheme for the gratuitous treatment of persons in that area suffering from venereal disease has been approved by the Local Government Board, or, in Scotland and Ireland, the Local Government Board for Scotland and Ireland respectively, and is already in operation.

Restriction on Advertisements, etc.

2.—(1) A person shall not by any advertisement or any public notice or announcement treat or offer to treat any person for venereal disease, or prescribe or offer to prescribe any remedy therefor, or offer to give or give any advice in connection with the treatment thereof.

(2) On and after the first day of November nineteen hundred and seventeen a person shall not hold out or recommend to the public by any notice or advertisement, or by any written or printed papers or handbills, or by any label or words written or printed, affixed to or delivered with, any packet, box, bottle, phial, or other inclosure containing the same, any pills, capsules, powders, lozenges, tinctures, potions, cordials, electuaries, plaisters, unguents, salves, ointments, drops, lotions, oils, spirits, medicated herbs and waters, chemical and officinal preparations whatsoever, to be used or applied externally or internally as medicines or medicaments for the prevention, cure, or relief of any venereal disease:

Provided that nothing in this section shall apply to any advertisement, notification, announcement, recommendation, or holding out made or published by any local or public authority or made or published with the sanction of the Local Government Board, or in Scotland and Ireland the Local Government Board for Scotland and Ireland respectively, or to any publication sent only to duly qualified medical practitioners or to wholesale or retail chemists for the purpose of their business.

Penalties.

3. If any person acts in contravention of any of the provisions of this Act, he shall be liable on conviction on indictment to imprisonment, with or without hard labour, for a term not exceeding two years, or on summary conviction to a fine not exceeding one hundred pounds, or to imprisonment, with or without hard labour, for a term not exceeding six months.

Definition.

4. In this Act the expression "venereal disease" means syphilis, gonorrhœa, or soft chancre.

Short Title.

5. This Act may be cited as the Venereal Disease Act, 1917.

AN ARMY DISPENSARY SOMEWHERE ON ONE OF THE EASTERN FRONTS.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Birmingham.

The Grey House, Barnt Green, built by the late Mr. H. B. Lowe, of P. Harris & Co., Edmund Street, Birmingham, was sold on June 7 for 6,100*l.*

The trams and other public conveyances are redolent with dainty perfume, the result of high wages, feminine vanity, and the pharmacist's high art. It is well that the choice is for the better and older varieties.

Professor W. J. Ashley, Dean of the Faculty of Commerce at Birmingham University, has joined the band of local Knights, among whom are Sir James Sawyer and Sir Thomas Barclay, well-known names in pharmacy.

Liverpool.

As the result of a police raid, sixty-one Chinamen were remanded at Liverpool on June 11 charged with either being unauthorised persons in possession of opium or with smoking opium.

British men of military age who have been resident in Brazil for some years are arriving at Liverpool in considerable numbers in order to join the Colours. They rank among the newest patrons of the pharmacies, who have little difficulty in supplying their needs.

Owing to the paucity of skilled assistants, the question of a midday closing of pharmacies is rapidly becoming a need of the hour, or a need of an hour, and envious eyes are cast by the central area on the arrangements of the suburbs, where a luncheon-hour is almost general.

The changing character of the population, always more or less a floating one, is responsible for the varying experiences of trade. Some pharmacies report fairly brisk business, while others experience such comparative quietude that principals are taking short holidays—in two cases the last chance of a vacation before the sole remaining skilled assistant leaves to join the Forces. There may soon be a demand for a travelling *locum tenens*, to relieve overworked pharmacists.

Manchester.

Some attractive window-shows of iron "jelloids" are being shown in the south-west suburbs of Manchester.

The retirement of Mr. W. H. Delve, dispensing chemist, Stretford Road, has been a surprise to his friends, who all wish him good health in his retirement. The business has been acquired by Boots, Ltd., and will be carried on as a branch.

Owing to the sugar shortage, several firms of lozenge-makers have withdrawn sulphur-tablets and various types of remedies known as thirst-quenchers from their list. Although one sees many pharmacies with good shows of sulphur-tablets at very low prices, it is questionable whether they will be able to replace them at anything like the money they are selling them at.

Sheffield.

Miss J. Morgan, of Exell Bros. & Prestons, has returned to Birmingham to take up an appointment at the Children's Hospital.

Mr. A. R. Fox, Castle Street, has been unsuccessful in his appeal from military service, and has been attached to the R.A.M.C.

One hundred and twenty metallurgical chemists from thirty-four laboratories of the Sheffield works met at the King's Head Hotel this week, and decided to form a Chemists' Union.

The Health Committee of the City Council has made arrangements with the Royal Infirmary, the Royal Hospital, Jessop's Hospital, and the Children's Hospital for the treatment of venereal diseases.

Chemists may look for support from Mr. H. C. Anderson, M.P. for Attercliffe, in any reasonable request which they may make, as he is well versed in various grievances which confront pharmacy. He served some years of his life in the wholesale trade.

The long days are drawing chemists into near Derbyshire. With their depleted staffs, the usual holidays will have to be abandoned in most cases. The earlier closing of shops allows chemists to leave by train, and so get in a few hours' necessary change from business in the evenings.

Steps are being taken with a view of amalgamation of the two Co-operative Societies in Sheffield; the Ecclesall Stores have decided in favour of this. If the amalgamation comes about, chemists may look for a decided increase in store pharmacy, as the Brightside Society has already made a move in that direction.

Quite a number of the younger members of the craft, who have been employed in the local unit of the R.A.M.C., are to leave Sheffield. Sergeant J. Massey, the late Secretary of the Athletic Club, has been moved to Blackpool; Private P. G. Preston, the son of Mr. Job Preston, is also at Blackpool.

In the dispensing of prescriptions for liniments, unless ordered otherwise, the B.P. preparation should always be dispensed, otherwise chemists will not keep clear of the new clause of the Food and Drugs Acts, which was inserted in the last panel agreement. The medical profession has been notified that methylated preparations must be especially ordered if required.

The Secretary of the local Society (Mr. E. Preston) has just issued a notice, according to the rules, asking for nominations for the Council elections, which will be made at a meeting in July. The six retiring members, who are eligible for re-election, are Messrs. H. Antcliffe, J. T. Appleton, J. Austen, A. H. Culverhouse, L. B. Henderson, and E. Preston. The nominations must be made within seven days.

The "Sheffield Daily Telegraph" has initiated a scheme of marking the detestation of German savagery by which the following oath is signed:

> To mark our horror and disgust of the methods of Germany since July 1914, we swear that we will not (*a*) knowingly purchase anything made in Germany; (*b*) transact business with or through a German for ten years after peace is declared. So help us God.

The oath is printed on sheets bearing on the top a representation of the flags of all the Allies.

Miscellaneous.

WINDOW-SMASH.—The revolving shutter and plate-glass window of the shop of Messrs. Stephenson, chemists, at the corner of Otley Road and Barkerend Road, Bradford, were this week smashed by a runaway horse and wagon.

HERB-GROWING.—The Secretary of the Herefordshire Herb Association announces that the members have collected and disposed of 3,000 lb. of dandelion-root. Woodruff, dried balm, and peppermint are next to be collected, and then comfrey and foxglove-leaves.

THEFT CASE.—At the Mansion House Police Court, London, on June 12, Timothy Roche (18), cycle-messenger, was bound over, under the Probation of Offenders Act, on a charge of stealing a set of manicure-instruments, value 8*s.* 6*d.*, the property of Mr. R. J. Reuter, druggists' sundryman, 69 Carter Lane, E.C.

VENEREAL DISEASES.—At the annual meeting in London on June 13 of the National Council for Combating Venereal Diseases, Lord Rhondda, President of the Local Government Board, stated that of 145 authorities in England and Wales, 102 have started schemes for dealing with venereal diseases. He stated that up to the end of May 6,000 cases had been treated in the London clinics alone.

SHOP ASSISTANTS' UNION.—The annual report and balance-sheet for 1916 has been issued this week. It contains the following reference to the drug-trade: "The chemists and druggists have maintained, and even improved, their position. Unfortunately the staffs employed by a number of drug firms still remain only partially organised, and so have not participated to the same extent in the improvements that have been gained for those where the organisation was almost complete."

POISONINGS.—Among the week's poisoning-cases are the following: At Clay Cross a two-year-old child named Shooter, whose father is a soldier in France, obtained possession of a bottle of cough-mixture which contained laudanum. The child drank some of the mixture and died from laudanum-poison.—Two inquests were held at Coventry—one on a child at Stoke Park, whose mother gave it ammonia solution in mistake for fluid magnesia; and the other on a factory gatekeeper, who drank carbolic acid in mistake for beer.

FALSE-PRETENCES CHARGE.—A civil engineer named Percival Lancaster was remanded at Acton Police Court on June 5 on a charge of obtaining goods by false pretences from Mr. J. W. Webber, Ph.C., 202 High Road, Chiswick, W., and also for attempting to obtain cocaine by representing himself to be a medical practitioner. Stanley Allen, assistant at Mr. Webber's pharmacy, said defendant asked for cocaine and wrote an order for it signed "W. C. Hamilton, M.D., Edinburgh." Witness, finding the name on the medical register, let the customer have the cocaine, but on the second occasion witness decided to communicate with the police. The police witness stated that prisoner had in his possession a hypodermic syringe and a bottle of solution.

Irish News.

Brevities.

Mr. J. E. O'Neill, J.P., Vice-Chairman Derry County Council (O'Neill & Co., chemists, Maghera), has been unanimously re-elected Chairman of the Magherafelt Board of Guardians for the fourth successive year.

The Chemists' and Druggists' Society of Ireland has decided not to have an excursion by motor *char-à-banc* this year, owing to the petrol restrictions. They will instead have an outing to Whitehead by rail in the last week in June.

The total cost of medicines and appliances for the Swinford Union and dispensaries for the year ended March 31 last was 117*l*. The cost for the previous year was 51*l*. Some of the medical officers have been requested to explain why the cost of medicines, etc., is so high.

The Local Government Board has written to the Ballinrobe Guardians objecting to the contract for appliances being given to Adamson & Co., Ballina, at 15½ per cent. discount, while J. Clarke & Co., Belfast, offered 16¼ per cent. The Guardians decided to inform the Local Government Board that the reason the contract was given to Adamson & Co. was that they had been the old contractors, and had given the greatest satisfaction.

Belfast Joint Committee.

A meeting of the Joint Committee, representing the pharmacists and druggists of Belfast, was held in the Chemists' and Druggists' Society's room on June 5. Messrs. J. C. Culbert, D. Henderson, and Samuel Fleming, Ph.C.s. represented the North Irish Pharmacists' Association, and Messrs. J. D. Carse, Samuel Suffern, and Wm. Martin, R.D.s. the Chemists and Druggists' Society. Mr. S. Fleming, 81 Duncairn Gardens, was appointed Hon. Secretary; Mr. Wm. S. Martin, Antrim Road, Treasurer. Reports were made by all the members on the favourable reception the objects of the Committee received by the general drug-trade. A pharmacist and a druggist were appointed for each division, and a similar appointment was made for the centre of the city. It is expected that fully 90 per cent. of the entire trade will have agreed to adopt the minimum retail price-list before the next meeting.

Scottish News.

Brevities.

Saccharin-tablets are largely in demand in Aberdeen at present. Conserving the meagre supplies of sugar for jam-making appears to be the order of the day.

A petition to the Brechin Town Council asking for the rescinding of the closing-order for chemists has been found to contain the signatures of whole families. One signature purports to be that of a one-year-old child. The Town Council has treated the petition as a bogus one.

The Board of Agriculture for Scotland reports that the "turnip-fly" or flea-beetle has commenced its ravages on the newly-braired turnips. It attacks the two cotyledons at the neck, completely destroying them. A close, calm evening is the beetle's favourite time, and so smartly does it flit from plant to plant that half a field may be rendered useless in one evening. The best remedy is a mixture of lime and soot dusted on in the evening or morning, when the dew is on the plants. Spraying with paraffin oil is also recommended.

Edinburgh.

There are now doubts as to June 25 being observed as a general holiday, as stated last week.

Chemists for some time have been purchasing only small supplies of remedies like copaiba and sandalwood-oil capsules.

A. Ireland, the sixteen-year-old office-boy with Raimes, Clark & Co., Ltd., is becoming known as an accomplished boxer.

Mr. D. N. Wylie, College Street, who was one of the first local chemists to advertise prominently iron pills, still keeps this line well before the public.

The Doctors' Bureau for East Edinburgh will be started at 4 Dalziel Place, the house of a panel practitioner. July 1 is mentioned as the date, and possibly the other districts will have premises ready about the same time.

A local doctor is ordering on Insurance forms "syr. ferri phosph. c. quin. et strychn. sine syrupo." This seems to be the outcome of the recent recommendation to doctors by the Insurance Committee to be sparing of sugar in prescribing.

Glasgow and the West.

New lectureships are to be instituted in the Glasgow Dental Hospital on (1) operative dental surgery, (2) orthodontia, (3) practical dental histology, (4) crown and bridge work, (5) anæsthetics.

The paragraph in a recent issue of the *C. & D.* about a Glasgow grocer inviting the public to buy his saccharin tablets has not been lost. Many chemists are now pushing the popular tea-sweetener.

It is rumoured that the sale of hydrochloric acid for industrial purposes is to be stopped, but no authentic information has yet been received. Such rumours occur spasmodically, frequently without foundation.

Dr. F. J. Tocher has submitted to the Board of Agriculture for Scotland a memorandum which he has prepared on the manufacture of paper from straw, with special reference to oat straws. Mr. Alex. Cowan has undertaken to carry out experiments with wheat straw.

In his half-yearly report on the analysis of fertilisers and feeding-stuffs Dr. Tocher dealt with nitre-cake, superphosphates, nitrogen in mill-waste, and analysis of precipitated and ground phosphates, soils, and stomach-contents for poisons. During the first five months of the year he has analysed over seventy samples.

French News.

(From the "C. & D." Paris Correspondent.)

Malaria Remedies.—The Academy of Medicine discussed at a recent meeting the merits of quinine and arsenic in malaria, M. Armand Gautier and M. Albert Robin being amongst the speakers, and the advantage of combining arrhenal (disodium methyl arsenate) with quinine was favoured, as good results have been observed since Billet first proposed the combination fifteen years ago.

Applied Optics.—A scheme, which has been favourably received by various Government Departments, is on foot in Paris to establish an Institute of Applied Optics, with the object of securing closer co-operation between theory and practice in the optical trade. It has been suggested that the scope of the Institute should fall into three sections—viz., (i.) a college of optics, providing a theoretical and practical training for opticians, and promoting among its students a taste for optical research; (ii.) a central optical laboratory, where tests of glasses and optical instruments would be made for men of science, public bodies, and manufacturers, and research-work of general interest carried out; and (iii.) a special trade school in which the students could obtain a thorough training in the practical branches of the trade.

Saccharin as a Substitute for Sugar.—The Therapeutical Society, the Hygienic Council, and the Academy of Medicine, having considered this matter, have come to the conclusion that saccharin may possibly be used for sparkling and liquour wines (except medicinal wines), cider, perry, brandy (for home consumption only), lemonade, coffee and tea, but it should not be used for beer and household beverages, jams and other preparations of fruit, condensed milk, cocoa, chocolate, or dry pastry, nor should it be used for syrup, ices, sherbets, and sweets; but the Academy considers that these last four preparations might, should sugar become too scarce to allow of their preparation, be struck off the national bill of fare without any serious inconvenience. The Academy considers that saccharin is a most inadvisable substitute for sugar in making pharmaceutical preparations.

Pharmacist as Cook.—When Reserve Pharmacist-Major Andre Piedallu, head of a commissariat laboratory, had been mobilised for some months, he found that the daily menu of the "poilu" was terribly monotonous so far as vegetables are concerned. Potatoes, haricots, and lentils pall on the palate. One day Piedallu glanced over the verdant plains at the back of the Front. Nature had there sown, with a lavish hand, wild mustard, shepherd's purse, patience, and other succulent plants contemptuously termed weeds by the ignorant. Like the Irishman's parrot, he said nothing but thought much, and his comrades were agreeably surprised one day at the new and appetising variety of vegetable food which appeared on the mess-table. He immediately became as popular as his dishes, the fame of which speedily spread to the surrounding "sections," who appreciated the nutritive value as keenly as the welcome savour.

German News.

LANOLINE is extremely scarce in Germany, and yet that country before the war held a practical monopoly of this ointment-base.

COPPER SULPHATE is too precious in Germany to be used for making plant-sprays. In its place is being recommended a by-product in gas-manufacture known as "perocid."

CONTROL OF GLAUBER'S SALTS.—By a new Order of the Bundesrat the Imperial Chancellor is empowered to control traffic in sulphate of soda (both calcined and crystallised). He may order a declaration of sulphate of soda and of materials required for its manufacture.

BRITISH PROPERTY.—Among the British properties in Germany and the occupied countries which are being liquidated are the Liebig Co., Ltd., Cologne, the Belgian estate of the Liebig's Extract of Meat Co., Ltd., London, and the British share in Scott & Bowne, Ltd., Frankfurt.

THE DEUTSCHER APOTHEKER VEREIN has a capital of nearly 1,500,000m. now and 5,134 members. For salaries of officials, etc., 28,685m. was paid in 1915, for examination of new medicaments 1,360m., for the publishing of the "Apotheker Zeitung," the "Archiv der Pharmazie," and the "Handbuch" 44,321m. The revenue and expenses for 1917 were 107,980m. The Deutscher Apotheker Verein has subscribed to the five war loans a total of 210,000m.

WATER-GLASS.—Owing to the shortage of soda, complaints are rife in Germany that the water-glass (sodium silicate) sold for the preservation of eggs is defective, and that the use of such a product may result in the wasting of eggs. The sulphated water-glass—*i.e.*, water-glass made by the so-called sulphate process—is totally unsuitable for preserving eggs, the carbonated water-glass being the only kind which can be guaranteed to be effectual for egg-preservation purposes.

POTASH MONOPOLY.—The Potash Committee of the German Reichstag recently discussed the projected law for the regulation of the sale of potassium salts. The law will fix a new distribution quota and raise potassium prices. A proposal by the Social Democrats that the potassium-works be taken over and worked by the State, and that the sale of potassium salts should be an Imperial monopoly, did not find favour with the Committee, only six members voting for the proposal.

COLLECTION OF MEDICINAL HERBS.—The "Deutsche Tageszeitung" states that the careful collection and utilisation of all medicinal and tea herbs is one of the essential items of war economy. Insufficient attention was given last year to the abundance of lime-blossom, with which nothing was done in many large towns. This year, it is urged, care must be taken that these valuable herbs are not wasted. The collection of lime-blossom, as of other medicinal and tea herbs, should be undertaken, it is stated, by the schools, under the supervision of responsible persons. Parents and teachers are to impress upon the children the value of these herbs, so that they may abstain from thoughtless plucking, and the work of gathering should only be undertaken under the direction of adults.

FOOD-SUBSTITUTES.—Dr. Fendler, of the Berlin Municipal Medical Council, has been instructed to report to the Council on food-substitutes. His report is the subject of a remarkable article in the "Vossische Zeitung," which says: "One of the principal items to which food-manufacturers turned their attention was 'soup tablets.' They called them 'meat-extract tablets,' and most pernicious things they were. The Government has already laid down the rule that tablets with this name must contain at least 7½ per cent. of meat extract, but the rule is not observed. In many cases as much as 97 per cent. of cooking-salt is found in these tablets; the remaining 3 per cent. shows traces of colouring-matter. Another weird mixture is known as 'beef soup.' It is in the form of powder, and is carefully done up in pretty little cardboard packets. The analysis shows wheat flour, salt, some sticky substance, and a slight trace of meat extract." Another region where swindling on a gigantic scale went on was in the fabrication of "pudding-powders." Here the main ingredient was potato-meal. There are lemon, almond, and raspberry pudding-powders—all of them potato-meal with a little colouring. Neither the taste nor the odour of lemons, almonds, or raspberries could be traced. Little bags of this stuff are sold at 5*d.* each, containing an ounce or two of meal and the fraction of an ounce of a substitute for milk-extract. Finally, there is a "pepper-substitute"—an extraordinary mixture, it is called, made of worthless substances. You sneeze if you smell it, but that is as near as it goes to pepper. It costs 2*s.* 1*d.* a pound.

Legal Reports.

Trade-marks Registration.—Before Mr. Justice Eve, in the High Court, an application was made by R. Crispin & Co. to vary the decision of the Registrar of Trade-marks by removing the limitation imposed by him with regard to the territory in which the mark might be used. The power of the Registrar to impose territorial restrictions was in question. His Lordship, in a considered judgment on June 13, said he agreed with the contention of the appellants that the Registrar had no power to impose a territorial restriction on the registration of a trade-mark. He found that the statement in the Trade-marks Act, 1905, substantially reproduced the provisions of the earlier Act, without making any specific reference to geographical limitations, except in regard to identical or nearly identical marks under Section 21. The appeal was accordingly allowed, with costs.

Caustic-soda Contract.—In the Lord Mayor's Court on June 11, before the Recorder (Sir Forrest Fulton, K.C.) and a jury, a claim was made by Cama & Co., import and export merchants, 40 Trinity Square, E.C., against the William Drug Co., Ltd., formerly of 186 Bishopsgate, for 170*l.* 15*s.* 8*d.*, with interest on the whole or part of that money at 7 per cent. from October 13 last, as damages for the non-delivery of caustic soda, including the return of the price paid for it. Mr. Jacobs, counsel for the plaintiffs, said the claim of the plaintiffs was practically admitted by the defendants upon the correspondence. The only question for the jury was as to the amount of damages. In September 1916 plaintiffs bought 5 tons of caustic soda, 70 degrees strength, for the purpose of shipping it to Mr. Kapadia, a customer of theirs at Colombo, Ceylon. The price was 25*l.* per ton ex works Manchester, f.o.b. Birkenhead. That order was accepted. The plaintiffs paid 120*l.* against the bills of lading, and on November 9 a further 21*l.* 8*s.* 4*d.*, part freight and the balance of the price. The plaintiffs invoiced the caustic soda to their customer at the price of 167*l.* 9*s.*, and when charges were deducted made a net profit of 18*l.* 11*s.* 9*d.* upon the transaction being carried through. Upon the arrival of the caustic soda at Colombo plaintiffs received a cablegram to the effect that it was useless. Upon the complaint being received by the defendants, they suggested an analysis should be made of the caustic soda by a competent analyst, and if it was found that the defendants were at fault they would accept full responsibility and replace the goods free of charge. An analysis was made by Mr. Kelway Bamber, Government agricultural chemist, of the Laboratory, Hyde Park Corner, Colombo, who reported that the caustic soda was not of the strength demanded and was quite useless for the purpose required, that of manufacturing soap. The Recorder, referring to the claim for interest, said he was of opinion that the interest charged could not be recovered. It was a well-established principle of law that a tradesman is only liable under the common law where there is an express or implied promise to pay interest. The jury returned a verdict for the plaintiffs for 163*l.* 3*s.* 8*d.*, the Recorder disallowing the charge for interest and another sum for bankers' charges.

Prize Court Decisions.—Sir Samuel Evans, in the Prize Court on June 7, dealt with three cargoes seized from America—700 barrels of borax on the steamer *Progresso*, two drums of sanatogen on the s.s. *Kentucky*, and ten drums, or 2,000 kilos., of sanatogen on the s.s. *Gorredijk*. In the case of the *Progresso*, the consignors were Lehn & Fink, New York, and the borax was claimed by J. Wisloeff, Stockholm. The two drums of sanatogen were claimed by the Bauer Chemical Co., and the ten drums by Eugen Ferner, Amsterdam. The Crown alleged that Wisloeff was an intermediary, the goods being intended for the Chemische Fabrik Gustrow, Berlin, and that borax was a foodstuff as a food-preservative. A letter in the correspondence set out a list of Germany's enemies. His Lordship observed that it is a long one, but it made the important omission of the United States. He ordered the proceeds of the sale of the borax to remain in court till the conclusion of peace. As to the sanatogen, it had been urged that it is not contraband, and is not foodstuff intended for military uses. It is a very excellent food apparently in concentrated form. And while it may not be served out to the soldiers and sailors of Germany, it was good for invalids in war hospitals and for people suffering from what in correspondence before the Court had been described as "war cyclones." The two drums were shipped in the *Kentucky* by the Bauer Chemical Co. of New York, and consigned to Wisloeff. His Lordship found that sanatogen is foodstuff and conditional

contraband, and being consigned to Wisloeff was on its way to Germany. He condemned the two drums of sanatogen as good and lawful prize. As to the ten drums, they, too, were shipped by the Bauer Chemical Co. to Eugen Ferner. Ferner appeared to his Lordship to be an honest man. It was not shown that he was acting as an intermediary like Wisloeff, but he was an unfortunate person, because he said he had been over-persuaded to pay money which he ought not to have paid. After seizure he paid 5,400 dollars under protest, and said he held Bauer & Co., New York, responsible for the consequences, and reserved all his rights against them. He complained that the shippers had not covered the sanatogen by sufficient insurance, and the terms were cash on delivery. He wrote Bauer & Co., "I owe you nothing yet, and in case the goods are lost and not covered by insurance you will have to meet the loss." If he succeeded in his present claim he would be relieving Bauer & Co.'s branch at New York of the obligation he said they are under to him for breach of contract and for pressing him to pay a sum which was not due. His claim to the ownership of the sanatogen must be barred. His Lordship could not find it had an enemy destination. The sanatogen, not having become the property of the purchaser, remained the property of the branch in New York, which was a mere agency of Bauer & Co., Berlin. He pronounced the ten drums of sanatogen to be enemy property, and ordered them to be sold and the proceeds paid into court, to be further dealt with at the conclusion of peace.—A cargo of cottonseed oil, solidified with chalk, and shipped by the New Jersey Agricultural Chemical Co., Hoboken, to Gothenburg, has been condemned. The material was shipped as a "fertiliser," and it transpired that the organiser of the chemical company is a German chemist implicated in bomb outrages in the United States.

Bankruptcy Report.

Re Henry Chaloner, 303 and 305 Stratford Road, Birmingham, Chemist.—A meeting of creditors in the above matter was held on June 12 at the offices of the Official Receiver, Birmingham. The debtor, it was reported, was fifty-five years of age and a widower. He took over the business in September 1912 with 100*l.* capital, which he borrowed and has since repaid by instalments. His liabilities amount to 528*l.*, and, after deducting preferential claims, the deficiency is 298*l.* 5*s.* 6*d.* The business had been sold as a going concern for 17*l.* 10*s.* more than the debtor's estimate (242*l.* 10*s.*) of the value of the stock-in-trade, fixtures, etc., and the assets will be augmented by that amount. He attributed his failure to lack of capital, ill-health, and inability to obtain many articles by reason of the war. The business went on very well for two years, but his assistant enlisted, and this increased debtor's difficulties and affected his health, as he had been unable to obtain another assistant. The case was left in the hands of the Official Receiver.

Gazette.

Partnerships Dissolved.

BATE, A., and GORST, W., 23 Market Street, Lancaster, chemists, under the style of Bate & Gorst.

LEE, H., LEE, H. H., and LEE, F. H., Berkhamsted, mineral-water manufacturers, under the style of H. Lee & Sons.

Bankruptcy Acts.

ADJUDICATION.

CHALONER, H., 303-305 Stratford Road, Birmingham, chemist.

ORTHOPÆDICS, states Major J. E. Goldthwait ("British Medical Journal"), has to do with the diseases or lesions of the bones, joints, and muscles, and deformities. At one time it was expected to devote itself to the deformities, but now it is recognised that the treatment of the disease or special lesion that is causing the deformity is the most essential feature. For that reason the treatment of a rheumatic or rheumatoid condition is as essential as the treatment of the joint manifestation. The same is true of the deformities due to nerve injuries. Military orthopædics is not different from civil orthopædics, except in the greater prevalence of trauma as the cause of the lesion.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

KENT CHEMICAL CO., LTD. (P.C.).—Capital 5,000*l.* Objects: To carry on business as manufacturing, wholesale, retail, and dispensing chemists, druggists, analysts, drysalters, etc. Solicitor: A. Glynne Jones, Cromwell House, Surrey Street, London, W.C.

WILLIAMS CHEMICAL MANUFACTURING CO., LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of exporters, general merchants, wholesale, retail, pharmaceutical, dispensing and analytical chemists, drysalters, aniline and other dye makers, medicine-manufacturers, etc. R.O., 7 Union Court, Old Broad Street, London, E.C.

L. E. VENN'S CHEMICAL CO., LTD. (P.C.).—Capital 100*l.*, in 1*l.* shares. Objects: To carry on the business of chemists and druggists, drysalters, oil and colourmen, manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial and other preparations and articles, dealers in electric, chemical, photographic, surgical and scientific apparatus and materials, etc. R.O., 1 Station Road, Brixton, London, S.W.

BRUNNER, MOND & CO., LTD.—The directors announce a dividend at the rate of 30 per cent. per annum, making 27½ per cent. for the year ended March 31, 1917; 100,000*l.* is placed to suspense, 2,500*l.* is written off patents account, and 216,000*l.* carried forward. The previous year's dividend was 27½ per cent., 150,000*l.* was placed to suspense, 123,000*l.* carried forward, and 2,500*l.* written off patents.

STEVENSON & HOWELL, LTD.—The report for 1916 states that the net profit is 27,013*l.*, which with 44,316*l.* brought forward, makes 71,329*l.* The directors propose to transfer 2,000*l.* to reserve account, thereby raising the reserve to 41,000*l.*, and to pay a further dividend at the rate of 12½ per cent., free of tax, on the ordinary shares, making a total distribution of 17½ per cent., leaving 49,518*l.* to be carried forward.

VIROL, LTD.—The annual report, which was adopted at the annual meeting held on June 13, states that though the sales for the year ending March 31, 1917, show a "record" increase, the higher costs of manufacture and distribution have prevented a corresponding increase in profits. The expansion of the trade, however, has enabled the company to bear the whole of these abnormal charges without its being found necessary to advance to the public the prices that obtained before the war. The gross profit amounted to 101,816*l.*, against 89,189*l.* for the previous year. After providing for debenture interest the net profit is 29,980*l.*, against 27,764*l.* A dividend of 12½ per cent. is recommended. During the period under review considerable progress has been made in the development of the work and organisation of the Virol Research Laboratories.

THE "SANITAS" CO., LTD.—The report of the directors for the year ended March 31, 1917, states that the difficulties attendant upon the conduct of the business, to which attention was directed in last year's report, have, during the period under review, been accentuated. The loss of turnover in certain lines of home trade consequent upon existing war conditions has, however, been more than made good by increases in the supply of disinfectants to Government Departments and growth of export business, so that the total volume of trade shows a considerable expansion. This development, involving the necessity of providing further accommodation both in premises and plant, has, in turn, necessitated an increase in working capital, and this has been met by the issue of 14,800 new shares, which will raise the capital of the company to 162,800*l.* when they are fully paid, but only the old capital of 148,000*l.* ranks for dividend in respect of the year's accounts herein dealt with. Captain E. P. Kingzett, having been invalided out of the Army, is unable to continue his services as an assistant managing director, but is eligible for re-election as an ordinary director. The balance to credit of profit-and-loss account, including the amount brought forward from last account, amounts to 18,274*l.* 11*s.* 11*d.* From this sum 2,775*l.* has been paid as interim dividend, leaving, after payment of income-tax, a balance of 11,157*l.* 15*s.* 3*d.* The directors recommend the payment of a final dividend of 5 per cent. and a bonus of ½ per cent., less income-tax (making, with the interim dividend already paid, a total distribution of 8 per cent. for the year), to place to reserve the sum of 2,000*l.*, and to carry forward a balance of 3,052*l.* 15*s.* 3*d.* to the next account.

Marriages.

DUTSON—GREGORY.—At St. John's Church, Weymouth, on June 14, Robert A. Dutson, Bristol, to Ethel A. Gregory, youngest daughter of the late Alderman W. Gregory, chemist, Weymouth.

FERGUSSON—WELLS.—At Rathmines Parish Church, on June 7, by the Rev. Canon J. A. Jennings, M.A., Rector of Harold's Cross, assisted by the Rev. H. C. Cave, M.A., John Caldwell, Captain R.A.M.C., to Agnes Margaret (Madge), youngest daughter of the late James Wells, Ph.C., Sackville Street, and Mrs. Wells, 4 Castlewood Park, Rathmines.

HARRINGTON—MACDONELL.—At the Brompton Oratory, London, S.W., on June 8, Francis William Harrington, eldest son of Mr. and Mrs. Harrington, Lee View, Cork, to Helen Marjorie, eldest daughter of the late Allan Ronald Macdonell, of Montreal, Canada, and of Mrs. Macdonell, Gloucester House, Piccadilly, London, W.

HARTLEY—BROWN.—At St. Mary's Church, Nelson, on June 6, Second-Lieutenant J. Ernest Hartley (Hartleys, Ltd., chemists and druggists) to Elsie, daughter of Mr. and Mrs. J. Brown, of Reedyford, Nelson.

HOCKING—BRAY.—At Wesley's Chapel, City Road, London, on June 6, by the Rev. Frank Cox, James Arthur Hocking, chemist and druggist, elder son of the late Mr. John Hocking, Falmouth, to Sarah Mabel, only daughter of Major and Mrs. W. S. J. Bray, Killimorie, Porthcawl.

SKIPWORTH — PORRITT. — At Grantham Congregational Church on May 31, Bertram Geo. Skipworth, chemist and druggist, to Florence Padget, eldest daughter of the late Mr. S. Porritt, of Knottingley (Yorks).

Silver Wedding.

WHITELAW—LOCKIE.—At Rosetta Road, Peebles, on June 8, 1892, by the Rev. J. B. Lorraine, B.D., assisted by the Rev. G. H. Young, M.A., Alexander Whitelaw, chemist, East Linton, to Isabella Bennett, youngest daughter of the late James Lockie. Present address, St. Catherine Street, Cupar-Fife.

Deaths.

DAVIES.—At 74 High Street, Caterham, Surrey, on May 16, Mr. David Davies, chemist and druggist.

LANG.—At 6 Connaught Mansions, Albion Road, Stoke Newington, London, N., Mr. Simeon Lang, for many years connected with Jules Lang & Son, druggists' sundriesmen, Charlton Works, Islington, N., aged forty-six.

THORNE.—At a nursing-home, on June 11, after a short illness, William Bezly Thorne, M.D., 16 Harley Street, London, W. 1. Dr. Bezly Thorne was a well-known authority on diseases of the heart.

Died on Service.

BROWN.—Gunner Thos. B. Brown, an apprentice of Mr. M. K. Watt, dispensing chemist, Esslemont Avenue, Aberdeen, has been killed in action. Gunner Brown enlisted two years ago, at the age of seventeen.

PURVIS.—In France on June 8, Captain George Bell Purvis, younger son of Major J. B. Purvis, Bridlington. Captain Purvis passed the Minor examination and the Spectacle Makers' Optical examination in 1914. His father, Major Purvis, is a pharmaceutical chemist, and is also serving in France with another son—surely a record in the pharmaceutical roll of honour. Captain Purvis received a commission in the Yorkshire Regiment, and had seen continuous service at the Front since April 1915. At the time of his death he was the commanding officer of a machine-gun company.

WILSON.—Pioneer Jack Wilson, R.E., who before the war was employed in the chemical laboratory of J. & G. Cox, Gorgie, has been killed in action.

A FRENCH ENGINEER, states the "Daily Telegraph," has invented a new crutch which does away with the armpit leverage. It is called the forearm lever walking-stick crutch.

THE LINGNER ODOL WORKS in Dresden made a net profit of 1,199,934m. in 1916, against 938,544m. in 1915, out of which a dividend of 15 per cent. (against 12 per cent.) will be distributed.

RHUBARB-LEAVES.—"The Lancet" suggests that in cooking these for use as a vegetable a pinch of powdered chalk might be added to ensure the production of an insoluble oxalate which would be non-poisonous.

Personalities.

SIR DAVID PRAIN was at the anniversary meeting of the Linnean Society elected President for the ensuing year.

CAPTAIN CHARLES BATHURST, M.P., F.C.S., has tendered to the Prime Minister his resignation of the position of Parliamentary Secretary to the Ministry of Food.

AT A DINNER of the Eccentric Club held in London on June 13, at which Mr. S. Kutnow presided, 200*l.* was subscribed for the hostel for limbless soldiers.

MR. JOHN MONTGOMERIE, of Montgomerie & Co., Ltd., malt-extract makers, Glasgow, is taking up in a very thorough manner the question of the immunity from income-tax which is enjoyed by co-operative societies. He has published a pamphlet on the subject, entitled "A Nation's Loss."

MANY FINE APPRECIATIONS of the late Mr. Peter MacEwan have appeared in scientific publications, and there is a touching tribute to his memory in the June number of the "Script." We have also to thank the very numerous correspondents and the Pharmaceutical Associations who have expressed their appreciation of our late chief.

A PRESENTATION was made to Mr. J. Mcvie Hill (representative of Burroughs Wellcome & Co.) at the meeting of the Ipswich Chemists' Association on June 4. Mr. Hill, who has been well known to chemists in the Eastern Counties for the last thirteen years, has been posted to a special company of the Royal Army Medical Corps, and was home on his final leave. The presentation took the form of a marble clock.

THE MAYOR OF BURY ST. EDMUNDS, Alderman Owen A. Clark, dispensing chemist, was, at the annual meeting of the Royal Eastern Counties Institution at Colchester, presented with an illuminated address in appreciation of his services. The sum of 21,000*l.* per annum is now being spent, and when the directors of the institution were faced with difficulties they approached the Mayor of Bury St. Edmunds, who took up the cause with so much energy and enthusiasm that the response to his appeal surpassed all expectations.

Wills.

AN INVENTORY of the estate of the late William Doig, chemist and druggist, High Street, Dundee, shows estate valued at 4,529*l.*

MR. WILLIAM STURGES, chemist and druggist, 15 Seymour Street, Leicester, who died March 3, left estate valued at 4,563*l.* 18*s.* gross, with net personalty 1,251*l.* 10*s.*

MR. GEORGE BENTLEY TOY, chemist and druggist, 484 Birchfield Road, Perry Bar, Birmingham, who died January 22 intestate, left estate valued at 462*l.* 16*s.* 3*d.* gross.

MR. ROBERT FISHER YOUNG, Ph.C., Lindum, Hadley Road, New Barnet, who died on March 7, left estate valued at 5,875*l.* 9*s.* 7*d.* gross, with net personalty 3,729*l.* 17*s.* 8*d.*

MR. JOHN JACKSON, retired chemist, 1 Prospect Villas, Wetherby, who died December 10, left estate of the gross value of 6,462*l.* 14*s.* 4*d.*, with net personalty 4,008*l.* 1*s.* 2*d.*

MR. FRANK CLARKE, Larchwood, Thorpe St. Andrew, Norfolk, who died on December 24, left estate of the gross value of 18,640*l.* 14*s.* 4*d.*, of which 12,648*l.* 8*s.* 6*d.* is net personalty.

MR. WILLIAM JOHN GARDINER, chemist and druggist, Unthank Road, Norwich, who died on April 21, left estate of the gross value of 980*l.* 14*s.* 10*d.*, with net personalty 942*l.* 16*s.* 10*d.*

MR. JAMES LANGDON THOMAS, Langdon, St. Thomas the Apostle, Exeter, who died on February 13, left estate of the gross value of 72,813*l.* 0*s.* 3*d.*, with net personalty 64,192*l.* 14*s.* 11*d.*

CAPTAIN FRANK BRADBURY ROBINSON, Sherwood Foresters, Elm Lodge, Chesterfield, of Robinson & Sons, Ltd., surgical-dressing manufacturers, Chesterfield, who died on July 3, left property of the value of 6,610*l.* 1*s.* 9*d.*

MR. DAVID SHAUL, Woodbourne Avenue, Streatham, S.W., of H. B. Sleeman & Co., India House, 84 Leadenhall Street, London, E.C., who died on May 14, has left property of the value of 9,416*l.*, with net personalty 8,604*l.*

MR. AMBROSE MIDDLETON, chemist and druggist, 25 Lister Gate, Nottingham, who died on March 16, left estate valued at 1,240*l.* 8*s.* 9*d.* gross, with net personalty 588*l.* 8*s.* 5*d.* Probate of his will has been granted to his sons, Mr. A. H. Middleton and Mr. H. P. Middleton, chemist, Nottingham.

Trade Notes.

Bathing-caps.—Some charming styles in bathing-caps are a feature of "Maw's Page" this week.

Alizarine Delphinol is a new blue colouring-matter placed on the market by British Dyes, Ltd., Huddersfield.

Humanised Milk.—There is a useful note on the preparation of humanised milk in the Kepler malt-extract advertisement in this issue of Burroughs Wellcome & Co.

L'Oriel Teinture.—This French hair-dye is on sale at the London branch of the manufacturers, 5 Belfast Chambers, 7 Beak Street, London, W. A special offer is being made to the trade.

Shaving-brushes.—Thomas Swales, 24 Butts Court, Leeds, offers a special parcel of British-made shaving-brushes, regarding which particulars are given in our advertising pages.

Mysore Sandalwood Oil.—J. Murray & Co., Ltd., 31-33 High Holborn, London, W.C., state in an advertisement in this issue that they are in a special position to quote best rates for sandalwood oil, B.P.

Allenburys' Rusks.—Orders for Allenburys' rusks can now be accepted by Allen & Hanburys, Ltd., who make this announcement in their advertisement in the present issue, together with the wholesale and retail prices.

"The Delecta Magazine" for May, which is devoted to welfare work in connection with the Watford Manufacturing Co., Ltd., is well produced, and gives one a pleasant glimpse of the happy conditions under which Vi-Cocoa, Freeman's food-products, and Boisselier's chocolates are produced.

Stocktaking.—Allen & Hanburys, Ltd., will close their factories and warehouses on June 27, 28, 29, and 30 for the purposes of stocktaking. Small and urgent orders only can be executed during that period. Allen & Hanburys, Ltd., ask their customers so far as possible to send orders for their requirements the week previous to these dates.

Rose's Lime-juice Cordial.—A letter from L. Rose & Co., Ltd., 89 Worship Street, London, E.C. 2, which appears in the advertisement section, announces that owing to the restricted supplies of sugar the output of Rose's lime-juice cordial is being restricted to military uses. Unsweetened lime-juice can, however, be supplied to the trade on the same terms as the cordial.

New Norwegian Cod-liver Oil.—Allen & Hanburys, Ltd., Bethnal Green, London, E. 2, send us a sample of their finest new season (1917) medicinal cod-liver oil from their Lofoten factory. The oil is quite up to the usual standard of quality, being non-congealable, pale, and practically free from odour and taste. Samples and quotations are at the disposal of buyers.

Open Window-dressing.—The "open" style of window-dressing, in which a few goods are displayed on oak pedestals, is now being put into practice with a view of saving time and goods. Dudley & Co., 451 and 558 Holloway Road, London, N., supply the paper backings which are required, and have from thirty to forty varieties from which to choose. The suggestion is a good one, and on account of its novelty attracts great attention.

"Potter's Bulletin" for June has a useful note on sugar-substitutes in the brewing of herb-beers. It is stated that equal parts of honey and glucose makes an excellent substitute for sugar in brewing. Glucose alone is apt to give a metallic taste to drinks. Block juice and Irish moss are also employed for giving body to beverages. There are other useful notes in the "Bulletin," which is published by Potter & Clarke, Ltd., 60, 62, and 64 Artillery Lane, London, E.

Price Changes.—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., inform us that they have been obliged to increase the prices of the following lines, which are protected under the scheme of the Proprietary Articles Trade Association: Osaeol, minimum retail prices, 2*s.* and 3*s.* 4*d.*; minimum wholesale prices, 21*s.* 6*d.* and 33*s.* 6*d.* doz. Pulticine, retail, 1*s.* 9*d.*, 3*s.* 6*d.*, and 5*s.* 3*d.*; wholesale, 1*s.* 2*d.*, 2*s.* 4*d.*, and 3*s.* 6*d.* Hordine, retail, 2*s.*; wholesale, 18*s.* 6*d.* doz.

Swiss Chemicals.—Herm. Madoery, chemical-works, Basle, Switzerland, has issued a new price-list of pharmaceutical chemicals, compressed medicines, and other specialities which he manufactures or stocks, the prices being quoted in francs per kilo. The list includes a number of new medicinal products, prominence being given to "digitotal," a new digitalis preparation of Swedish origin. Herm. Madoery intimates that his firm is absolutely Swiss, and he only sells products with certificate of origin and interest.

Martindale's List.—The June price-list of W. Martindale, 10 New Cavendish Street, London, W. 1, which deals with general chemicals and galenicals, contains about 5,000 items. These include a large number of fine chemicals formerly only made in enemy countries, but the manufacture of which has been taken up with enthusiasm by the Martindale house. The following note is given a prominent place on the cover of the list:

> Send us your inquiries for organic compounds hitherto imported from Germany. We can frequently provide the chemical equivalent.

Then follows a selection of a few of the special manufactures, which we find is similar to that given in the firm's advertisement. The list is well worth keeping for reference purposes.

Nulomoline.—Referring to the restrictions on the use of glucose, Frederick Boehm, Ltd., 16 Jewry Street, London, E.C., ask us to remind chemists that nulomoline, for which they are European agents, is a perfect substitute for sugar in unofficial pharmaceutical preparations. Nulomoline consists almost entirely of invert sugar, and being made from cane-sugar without the use of chemicals the makers are able to guarantee its purity. It is uncrystallisable and sweeter than sugar, resembling honey very much in taste. The makers, in fact, call it the "honey of sugar." Nulomoline is also adapted for preparing non-drying tooth-pastes, and can be used for any employment for which glucose has been recommended. It is cheaper than glucose when the comparative sweetening-power is taken into account. Some samples we have seen this week of the liquid and paste forms seem to us to be much improved on the products we examined when nulomoline was first introduced to this market. Circulars dealing with the various uses of nulomoline have been issued, and are supplied on application.

Trade-marks Applied for.

(From "The Trade-marks Journal," May 23, 1917.)

"Vynora"; for perfumery, etc. (48). By W. W. Brown, 26 Haymarket Terrace, Edinburgh. 377,783.

Map device of British Isles surrounded by scrolls, with words "Anglite British Made" (map device disclaimed); for a casein material made in Great Britain. By Anglite, Ltd., 68 Cowcross Street, E.C. 1. 377,633.

(From "The Trade-marks Journal," May 30, 1917.)

"Volvite"; for chemicals (1). By Liverpool Borax Co., Ltd., Liverpool. 377,239.

"Metzol"; for all goods (1 and 39). By Metzo, Ltd., Rickmansworth. 377,441/2. (Associated.)

"Fastep" on circle surrounded by conventional device of walking men; for a medicated foot-powder (3). By E. Fougera & Co., Inc., 90-92 Beekman Street, New York. 376,311.

"Pearlet"; for meat-extracts, etc. (42). By The Giltspur Co., Ltd., 33 Eastcheap, E.C. 3. 376,583. (Associated.)

"Sypgar"; for sugar syrups (42). By The Manbré Saccharine Co., Ltd., Brandenburgh Road, Fulham Palace Road, Hammersmith, W. 6. 376,597.

"Analia"; for perfumery, etc. (48). By G. S. Perrett, 25 Devonshire Road, Bexhill-on-Sea. 377,449.

"Anglodol"; for toilet-preparations (48). By Mackay & Son, 32 Forster Square, Bradford. 377,678.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

50/66. Makers of dies for stamping out paper bottle-caps.
51/21. Lin. salen. co. (J. T. & Co.).
55/30. Colley's lotion.
51/65. Hypotardol.
51/26. Eldile dog-powders.
55/21. "Mecca" truss.
54/70. Pulv. pulsatilla nigricans.

INFORMATION SUPPLIED.

Artificial manures, 37/6
"Aseptules," 48/59
Bacon's Celery King, 40/12
"Bacterol," 19/44
"Cuticura" specialities, 47/38
"Cystoformin," 23/45
"Daisy" fly-killer, 47/72
"Danderine," 30/23
Ergole, 47/71
"Fluorama," 54/23
Glucose, 50/11
Greaseproof boxes, 23/25
Irish moss, 18/62 and 32/15
James's condition-powders for dogs, 20/45
Lorimer's chemical-food, 44/7
"Lysoline," 36/56
Maple sugar, 11/40
"Pebden" tooth-paste, 51/66
Perry Davis' pain-killer, 47/38
Sulphurous-acid gas, 25/73
"Surco" elastic hosiery, 28/28
Teething necklaces (Gehrig's pattern), 25/29
Thirst-quenchers, 20/2
"Thymoform" tablets, 11/57
"Vitamogen," 54/15
"Westrosol," 48/73
Worm-tablets, 5/30
"Yohmura" capsules, 36/55.

Observations and Reflections.

By Xrayser II.

Your Excellent Report

of the recent Council-meeting gives publicity, as far as I know, for the first time, to the reason why Parliament rejected Mr. Glyn-Jones's amendment to the Venereal Disease Act forbidding doctors to dispense under it. There is, it must be confessed, some plausibility in the reason given, and it is reassuring to hear that the Grand Committee of the House of Commons was "well versed in the Society's case," and that a good many of its members were in favour of the principle that prescribing and dispensing ought not to be in the same hands. That this question is admitted to be an important one, and one that must be considered if and when a Ministry of Health is established, should stimulate us to a strong propaganda in support of the principle. No opportunity should be neglected of impressing it on the public mind by individual effort, and no time lost in organising action with the double object of winning popular support and influencing Parliament in its favour. We do not know how soon a far-reaching scheme of medical service under State control may be introduced, and we ought to be prepared with an irresistible case for this reform as one of its features.

The Re-election of Mr. White

and the other officers of the Society was a foregone conclusion, quite natural and proper in the circumstances, and to which even those who differ most frequently with Mr. White on questions of policy will not be disposed to object. Mr. White is a very able man, and we would rather have him at the head of affairs than, as would probably be the case were he not there, a weaker man with similar views.

The Professional Interests of Pharmacists

are sometimes separated in the minds of our pharmaceutical politicians from their trading interests. Mr. Humphrey, in "The Script," so separates them, and tells us that while the former may safely be left in the hands of the Society, which has hitherto so successfully battled for our "professional privileges," the "practical needs of pharmacy as a business" would be better secured by an independent organisation. I agree entirely that the Society has proved itself a poor defender of our trade interests, and I would gladly see them in other hands, but I should not hold this opinion if I were satisfied with the Society's championship of our professional interests. The distinction between the two seems to me, in fact, almost entirely fallacious. The only statutory "privileges" we enjoy are the right to belong to a chartered body if we wish to do so, a monopoly of the retailing of a few poisons, and the exclusive right (with a few exceptions) to Insurance dispensing. Only the first of these can with any truth be regarded as separable from our trade interests, and *it* is a purely sentimental privilege. The true distinction is between trade interests and professional responsibilities. It is to our interest to have these responsibilities, or it might easily be made so, but the Society, though it has from the first professed to "protect the business interests of chemists and druggists," has signally failed even in the smaller effort. To have tried and failed here goes far to prove it incapable of looking effectively after our interests in the larger sphere open to us as mere traders, with or without "professional aspirations."

The Log-rolling of Flavine

has been very persistent, and the latest development is highly interesting, being nothing less than the coming to the surface of a rivalry which is said to have existed for a long time past between two sets of research workers. It would ill become me to hint that these great men are affected by so plebeian a frailty as jealousy, but the signs point to something uncommonly like it. The Medical Research Committee (run at a cost of 52,000*l.* a year) now claims that it produced flavine and supplied it to the worker who made the researches that have been so much boomed. When these results were published the *kudos* was claimed by the laboratory with which this worker is connected, the Research Committee's share in the business being politely ignored. Quite naturally the Committee wants a run for its money, and it is not taking it lying down. Moreover, the Committee proceeds to "knife" the other laboratory by pointing out that much more extensive research is needed before it can start out to kill "bugs" (the pet name for bacilli in research circles) on the *corpus vile* of the poor wounded soldiers. Besides, flavine was originally a German product anyway, and the Committee has something far better up its sleeve, acriflavine, trypaflavine, proflavine, and perhaps a few more, and these, too, must be tested over a period of months or years before we can be trusted to use them. Meantime, the common or garden doctor reads (and believes) all the wonderful claims that are made for this aniline yellow, comes to me and scores of other pharmacists for a supply, and is really very much annoyed because he can't get it.

The Trade Press

of this country receives high praise from Mr. H. Simonis, in his informative and most interesting work, "The Street of Ink," but he by no means exhausts the tale of its usefulness. Trade journals, he says, fulfil two very important functions—"they are valuable means of promoting trade between manufacturers, merchants, and retailers, and they also disseminate technical information which materially advances the interests of the particular industries they represent." This is a very inadequate tribute, for it takes no account of the part played by such papers in the advocacy and defence of trade interests, and the immense power they exercise in forming and organising trade opinion on matters affecting these interests. It would not be too much to say, for instance, that a very large section of the pharmaceutical body in this country habitually waited for a lead from Mr. Peter MacEwan in the *C. & D.* before committing itself to any policy, whether in the internal affairs or the external relations of the trade; and what is true of this paper is true in some degree of trade journals as a class.

Rhubarb-leaves

having been found unsuitable as a vegetable, attention may be called to a once well-established pot-herb, which I still see growing in some old-fashioned country gardens, though it seems to have disappeared from polite use. I mean the so-called English mercury (*Chenopodium Bonus-Henricus*), which is a very passable substitute for spinach, a plant of the same order, and is said to be more nutritious. Formerly it was credited with many virtues, for which it received the name All-good. It was, indeed, official with us, and a syrup prepared from it with honey was in use as an emollient in clysters. It is noteworthy that another plant of the genus, *C. Quinoa*, produces the "petty rice" which is a very common article of food in Central and South America, and the cultivation of which as a foodstuff is now being urged in Germany by Dr. Issleib and others. Experiments have already been made, and a price four times that of rye has been fixed for the seeds. Other members of the genus are, of course, the sources of ol. chenopodii.

Business Changes.

Mr. F. J. Hodges, chemist and druggist, has acquired the business of Cave, Austin & Co., Ltd., Rushey Green, Catford, London, S.E.

The business of the late Mr. Elijah Brackenbury, chemist and druggist, Bardney, Lincoln, will be continued by his son, Mr. Frank H. Brackenbury.

The National Herb-growing Association has moved from Queen Anne's Chambers to 15 and 16 Verulam Street, Gray's Inn Road, London, E.C. 1. The new premises provide plenty of space on three floors for the business of the Association.

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Editorial Articles.

Spirits for Medicines and Perfumes.

By resolution of the House of Commons, May 18, 1915, additional duties on spirits were levied—viz., 1*s.* 6*d.* per proof gallon. The Board of Customs and Excise framed a regulation to the effect that only plain British spirits which have been distilled at or over 60 o.p., or foreign unsweetened plain spirits ("unenumerated") of not less strength than 60 o.p., may be delivered to licensed rectifiers and compounders, manufacturing chemists, manufacturers of perfumes, and other persons authorised to receive such spirits. The 1*s.* 6*d.* additional duty had to be paid and a prescribed requisition obtained. The regulation has proved cumbrous and inimical to chemists, entailing even hardship to medical officers and others in dispensing medicines for hospital and private use. At length the authorities have been convinced of the serious drawbacks involved, and consequently have decided to facilitate rather than hinder the manufacture of medicines and non-potable articles—essences and perfumes—in the preparation of which strong alcohol is used. The result has been a waiving of the restriction framed in 1915, referred to above, in cases where delivery of such spirits is sought by rectifiers for rectification by them and subsequent supply of the resulting spirits of wine to persons undertaking to use them solely in making medicines, essences, or perfumes. The revised procedure is as follows: Every licensed rectifier keeping a still should, if he desires to obtain for the above purpose delivery of immature British spirits distilled at a strength under 60 o.p. or foreign spirits of a strength less than 60 o.p., make written application to the surveyor of the district in which his premises are situate, stating that he desires to receive from distillery or warehouse immature spirits (specifying the description and approximate strength) for rectification, and binding himself to supply the resulting spirits of wine only to persons undertaking to use them solely for one or more of the purposes above mentioned. The spirits will be supplied to him only on condition (1) that he keeps a special account of the receipt of the spirits and of the quantities thereof placed in the still, with the quantity resulting from each distillation, and showing the manner in which the spirits have been disposed of, the dates being given in all cases, and the account being balanced whenever the rectifier's stock is taken; and (2) that he obtains from each person to whom the spirits of wine are to be supplied an undertaking in writing to use them only for the purpose of making medicines, essences, or perfumes. The surveyor, if satisfied as to the *bona fides* of the application, will amend one or more of the rectifier's immature spirit requisitions, as may be necessary, by cancelling note (*a*) at the foot of the requisition and adding his initials and his office date-stamp. The counterfoil of each requisition so amended should also be marked with the surveyor's initials and date-stamp. The officer at the warehouse or distillery to whom a requisition, amended as above stated, is produced, together with the Advisory Committee's authority for the delivery of spirits to be supplied for making medicines, etc., will, on payment of the proper duty, allow delivery of the spirits, entering the quantity on the authority in the usual manner.

The Official Checking Bureau.

IN the report of the Local Associations Executive Committee, which appeared last week as part of the proceedings of the Council of the Pharmaceutical Society, there occur the following paragraphs :

"The question of the circulation of the balance-sheet was considered. It was resolved that in view of the fact that a special Finance Sub-Committee had been dealing with the finances of the Executive Committee and of the Checking Bureau, periodically presenting reports, and that a final balance-sheet dealing with the accounts for the period ending February 28, 1917, had been submitted to and adopted by the Executive Committee, further publication of the financial statement is unnecessary."

A Committee which takes this *naïve* view of its duties and responsibilities must not be surprised if panel chemists, who contribute the revenue of the Committee, refuse to accept without question the "eye-wash" thus offered to them. When this remarkable pronouncement in favour of secrecy is examined more carefully it will be found to be quite untenable. Apply the same line of argument by a board of directors in regard to the accounts of a public company, and we are at once landed in the regions of shady finance. The same statement about the accounts of the Pharmaceutical Society would be received with astonishment. There are, however, legal obligations to present proper accounts to the shareholders of public companies and the members of the Society, and these, it is reasonable to suppose, were enacted for the benefit of those having interests in the bodies referred to. We have called attention to the President's confession to the members of the Pharmaceutical Society at the annual meeting that "the funds of the Checking Bureau are not provided by the Society, and therefore it is not germane to the discussion that the figures should be given." The Society has thus no control over the finances of the Checking Bureau, and the Checking Bureau, arbiter of its own business dealings, resolves not to publish the figures, or, more strictly, not to circulate a balance-sheet outside the Local Associations Executive Committee. There is, of course, no question that the funds of the Checking Bureau are contributed by the Pharmaceutical Committees in a strictly legal manner, but it seems as if some obligation should be imposed which would enable the Pharmaceutical Committees to judge whether they are obtaining good value for their money. It might, for example, be shown that the price-checking service is too expensive for the results achieved, and that panel chemists would be better off financially without such a check as that provided by the Central Checking Bureau. In the absence of a statement of income and expenditure it is difficult to come to a proper judgment on this point. The Pharmaceutical Society hitherto has taken full credit for the excellent work it did in safeguarding the interests of chemists during the critical period of National Health Insurance legislation. This work in shaping the Acts and influencing the direction of subsequent regulations was not accomplished without the disbursement of large sums of money. The annual conferences of delegates from local Associations dealt mainly with Health Insurance matters, and involved a large outlay of money. The Checking Bureau hence represents considerable capital outlay by the Society, a circumstance which ought to give the members of the Society a right to know how their foster-child is progressing. The interests of the Pharmaceutical Committees and those of the members of the Pharmaceutical Society are thus both involved in the financial results of the official price-checking venture, and yet the Local Associations Executive Committee, which cannot have any ulterior motive to serve, resolves that "further publication of the financial statement is unnecessary." We do not think the Pharmaceutical Committees should let the matter rest here.

Medical and Dental Registers.

RATHER later than usual, the Medical Register for 1917 has been issued this week by the General Medical Council (10*s*. 6*d*., Constable & Co., Ltd.). The number of names on the register is 43,481, against 43,225 at the end of 1915. Some 1,005 names have been removed for various causes since the beginning of 1916, this number being above the average. The various Acts of Parliament regulating the practice of medicine in this country are given at the beginning of the work, as well as other matters which concern the registration of medical practitioners and the compilation of the official register. The Dentists Register (3*s*. 4*d*., Constable & Co., Ltd.), also issued by the General Medical Council, is the corresponding volume dealing with dental qualification. It contains 5,512 names of dentists, against 5,453 at the end of 1915. The number added since the issue of the last register is 195, which is the same as in 1913, but less than the additions in 1914 and 1915.

The Sweetmeats Order.

AT the beginning of the year the Food Controller issued the Sugar (Confectionery) Order, 1917, which fixed the maximum price at which chocolates and sweetmeats may be sold retail. The term "sweetmeats" was not defined, and as the retail price of these was fixed at 2*d*. per oz., if it had included them it would have affected the medicated lozenges which chemists sell at a higher rate than that laid down in the Order. It will be remembered that we succeeded in obtaining a ruling of the Ministry of Food that "cachous and lozenges of a class manufactured for and sold by chemists prior to or during the year 1916 are not sweetmeats within the meaning of the Order." We refer again to this matter because we understand that inspectors are calling upon chemists and making inquiries regarding the retail prices charged for lozenges. In two cases the inspector confessed that he was not aware of the ruling of the Ministry of Food regarding chemists' lozenges. The issues of THE CHEMIST AND DRUGGIST for January 27 and February 10 give all the details of the negotiations which resulted in the ruling referred to above.

Overseas Trade in May.

THE Board of Trade Returns for May show an increase of 3,827,700*l*. in imports, which were 87,620,500*l*., against 83,792,700*l*. in May 1916; while the exports were 3,587,000*l*. less, being valued at 43,437,000*l*. In imports the expansion was chiefly in foodstuffs, the imports of which increased by 6,746,600*l*., but no doubt much of this was due to higher prices. Raw-material purchases advanced by 2,740,900*l*., the largest increases in value being in raw cotton, wool, and paper-making materials, but, unfortunately, the quantities received were smaller. There was a satisfactory decline of 5,772,900*l*. in imports of manufactured goods, the effect of the embargo on certain products now being appreciable. The imports of chemicals and the like fell by 855,580*l*. to 1,943,000*l*. On the export side there was a substantial increase of 245,426*l*. in oils, oilseeds, nuts, etc., the total shipments amounting to 738,452*l*., but of course there is no indication as to the destination of these valuable raw materials. Exports of manufactured goods declined by 2,741,200*l*., the chemical group showing a decrease of 425,851*l*. to 1,929,566*l*. Altogether the month of May shows that in spite of the submarine menace a huge overseas trade is still being done, and no serious effects have yet been observable.

The Honey-market.

AT the drug-auction last week there was put up for sale the "record" quantity of over 300 tons of honey, and although the grocery and canned-goods houses were present in force, there was a marked abstention from buying. The honey was unusually good and even in quality, and in normal circumstances would have sold rapidly. No doubt the unprecedentedly large quantities frightened buyers, but it appears to have been the possibility of intervention by the Food Controller which acted as a deterrent. The recent competitive scramble among packers, wholesale grocers, and others to secure supplies of honey at any cost, as a result of sugar shortage, has led to the present inflation of values, and London has set the pace to Jamaica and the Californian and Cuban markets, where corresponding advances have taken place. At it is, these high prices have attracted much larger imports to London, and there is now an abundance of honey on the spot, bought on a rising market, with charges mounting up daily and with few buyers. Wholesale druggists have consistently held

aloof from the market and have only bought from hand to mouth for their retail trade. Now that excitement has died down and prices have eased, it is hoped that it will not be necessary to call in the services of the Food Controller: as he would then be the "profiteer," the public would derive little if any benefit of fixed prices, and the present disabilities of trading would be still greater.

Cinnamon as a Prophylactic.

Many years ago oil of cinnamon was adopted as a preventive of influenza and colds on the recommendation of Dr. J. Carne Ross, of Withington, Manchester, and it has been sold extensively for these purposes by pharmacists in the form of a simple essence or mixed with ammoniated tincture of quinine. The dose of oil of cinnamon which Dr. Ross recommended was five minims in a tablespoonful of water every hour until five doses have been taken, after that the same dose every two hours till the temperature becomes normal, when the dose should be taken four times a day for three days. We are reminded of this use of the oil by the recommendation of a correspondent in the "British Medical Journal" to use powdered cinnamon as a prophylactic against measles and German measles. In a large institution where twenty children had come in contact with a case of German measles the children had administered to them night and morning for three weeks as much powdered cinnamon as would lie on a sixpence. No second case of German measles occurred. We suggest that essence of cinnamon (1 of the oil in 10 of tincture of cinnamon), such as is extensively employed in influenza, might usefully be introduced to customers who live in a district where measles is prevalent.

Acriflavine and Proflavine.

We have already reported five applications at the Patent Office Court for the use of Cassella's patent No. 24652 of 1910, "Improvements in the Manufacture of 3.6-diaminoacridine and its Derivatives." The applicants were Boots Pure Drug Co., Ltd., British Dyes Ltd., Thos. Kerfoot & Co., Levinstein, Ltd., and May & Baker, Ltd., and there is not much doubt that they all will receive licences to use the patent referred to, which is that under which the antiseptic known as "Flavine" is made. It has also been fairly well indicated in our reports that the name under which the substance is to be sold will be "Acriflavine," there being objections, first pointed out in The Chemist and Druggist, to the use of the word flavine and to the name "trypaflavine"; the latter would be a misdescription of the new uses which have been discovered in England for this chemical product. The patent covers a number of other chemical substances, and it is stated in the "British Medical Journal" that one of the allied products has been found to have identical or even superior properties to acriflavine, and is, moreover, cheaper and easier to manufacture. This new substance will be known as "Proflavine." It will be noticed (p. 45) that some questions have been asked in the House of Commons regarding flavine: these seem to have been prompted by a recent publicity campaign in the daily Press. Neither the questions nor the answers add anything to what was known previously to readers of the technical Press.

Sulphuric-acid Control.

In February 1916 the Ministry of Munitions, finding they would require increased supplies of sulphuric acid, issued an Order (see *C. & D.*, February 19, 1916, p. 44) fixing maximum prices to be charged by acid makers and dealers in order to prevent any undue inflation of the market. Since then a further step has been taken by the issue of a second Order, superseding the first and operating from June 11, 1917, which Order, owing to the increased cost of production, raises the previous maximum prices by 10*s.* to 15*s.* per ton. This Order was printed in full in our issue of June 2 (p. 49), and, although explicit in its directions, has caused considerable discussion in the chemical and drug trades by reason of its wide powers and stringent conditions. Virtually the Government assumes stricter control of the industry, and one of its most important provisions is that no person can buy or sell over 56 lb. of 95-per-cent. sulphuric acid (or its equivalent in acid of other strengths) during any one calendar month without a licence from the Ministry of Munitions. It will therefore be necessary for the many firms who have been supplying commercial acid in carboys to those engaged on Government and other work to apply for licences issued by the Ministry of Munitions, whose address is Acids Supply Branch, Queen Anne's Chambers, Westminster, S.W. 1. Another provision is that all makers, sellers, distributors, etc., are required to make a declaration of their stocks when called upon by the Minister of Munitions. It is quite understood that the maximum prices which have been fixed are those to be charged by the acid-maker alone, and they have doubtless been fixed on a profitable basis in consultation with the authorities. It will be seen there are several "incidental charges," including one of 20*s.* per ton when the maker finds the carboys, but only 5*s.* per ton (formerly this was 10*s.*) when the purchaser provides his own, which is a distinction with a difference.

Liquor Cresolis Saponatus.

By R. C. Cowley, Ph.C., College of Pharmacy, Brisbane, Queensland.

The British Pharmacopœia formula for this preparation appears to me to suffer from two distinct disadvantages. (1) Potassium hydroxide is at all times more costly than sodium hydroxide, and especially at the present time. (2) The method of manipulation does not appeal to me. The process of saponification requires time, and during this period oxygen is absorbed from the atmosphere, causing the preparation to darken in colour. An improvement would be to saponify the castor oil first in the presence of some alcohol, subsequently adding the cresylic acid and diluting with water.

The formulæ in which linseed oil is employed also have their disadvantages (1) The saponification-value of the linseed oil varies from time to time; (2) commercial caustic soda varies in alkalinity.

Both these are contributing causes to the incomplete miscibility of the finished product when diluted with water, which sometimes happens. With the object of avoiding all these objections I have modified the formula as follows:

Cresylic acid	50
Oleic acid	20
Solution of sodium hydroxide (1 in 5)	a sufficient quantity

Determine the alkaline equivalent of the oleic acid as follows: Place 20 c.c. of oleic acid in a flask with about three times its volume of alcohol, and 1 c.c. of solution of phenolphthalein; run in the solution of sodium hydroxide from the burette until a faint pink tint is obtained. Suppose the oleic acid is neutralised by 13 c.c. of the sodium-hydroxide solution, this will represent the volume required in the formula.

Mix the cresylic acid and the oleic acid; add 13 volumes of solution of sodium hydroxide, and make up to 100 with water.

Use oleic acid obtained from the candle-works and commercial caustic soda.

This process possesses the advantage that the equivalents of oleic acid and sodium hydroxide are determined with each operation, and as heat is avoided altogether the process is considerably simplified. Another advantage lies in the fact that oleic acid suitable for this purpose is cheaper than linseed oil or castor oil. Cresylic acids containing hydrocarbon oils or naphthaline will not produce by the above process a liquor cresolis that will mix clear when diluted with water; hence this is a simple and rapid means of detecting these substances in cresylic acid.

The Organisation is nearly complete of the new Optical Research Department at the Imperial College of Science and Technology at South Kensington.

Horse-chestnuts are to be systematically collected this year, as a use has been found for them in replacing cereals in certain industrial processes.

The "Evening News" understands that manufacturers of sugar-coated pills and tablets are finding a difficulty in continuing the practice of sugar-coating. It is hoped, however, that enough sugar will be forthcoming to coat cascara-tablets.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

NATIONAL EXPENDITURE.

Mr. Bonar Law stated in the House of Commons on June 11 that the daily average expenditure for the first nine weeks of the present financial year has been 7,884,000*l.*

EMERGENCY RATIONS.

Mr. Billing on June 7 asked a question as to the emergency rations supplied to airmen on long-distance oversea flights, and he was told by Dr. Macnamara that these consist of malted milk, bovril, and chocolate. Drinking facilities are provided for by the issue of Thermos flasks.

THE "KEW BULLETIN."

General Croft and Sir William Beale have asked questions in the House of Commons in regard to the suppression of the "Kew Bulletin." The Board of Education was not consulted on the matter, it was stated in one of the replies, and others were to the effect that the India Office and the Colonial Secretary had nothing to do with the decision.

THE USE OF COCAINE.

Our Parliamentary correspondent is informed that the Home Secretary has promised to receive at the Home Office on June 15 the deputation, postponed in consequence of his recent illness, from representatives of the unregistered dentists on the vexed question of the use of cocaine in dental operations. Mr. P. W. Raffan, M.P., will introduce the deputation.

SUGAR FOR AERATED WATERS.

Major Chapple asked the Parliamentary Secretary to the Food Controller in the House of Commons on June 13 whether he will meet the persistent clamour for sugar for jam and other domestic purposes by further limiting its supply for beer, aërated waters, and confectionery.

Captain Bathurst replied that the use of sugar for manufacturing-purposes had been reduced as from June 1 to 25 per cent. of the amount used in 1915. This reduction applies equally to beer, aërated waters, and confectionery. There is no present intention of reducing still further the supply for these purposes.

SULPHURIC-ACID SUPPLIES.

Mr. Jeremiah MacVeagh, M.P., asked the Minister of Munitions in the House of Commons on June 11 whether he is aware that the prohibition of the use of sulphuric acid and muriatic acid for other than Government work will result in the destruction of the bleaching-trade of Ulster; and whether, as most of the linen-trade is export, and if once lost will not be recovered without great difficulty, and having regard also to the unemployment which will inevitably be produced, he will cause the order to be reconsidered.

Sir L. Worthington Evans: There is no prohibition of the use of sulphuric acid and muriatic acid for other than Government work, nor is such a prohibition contemplated. The purpose of the order dated May 29, 1917, is to enable the Ministry of Munitions to control by licence the manufacture, use, and supply of sulphuric acid. The intention is to secure the economical use of sulphuric acid and the employment of nitre-cake or some other substitute whenever practicable.

COMPANIES (PARTICULARS AS TO DIRECTORS) BILL.

The second reading of this Bill (see *C. & D.*, May 26, p. 39) took place in the House of Commons on June 8. Sir J. Rutherford asked whether Clause 3 is wide enough to cover debenture-holders. It is possible, he said, that a company might be formed of which the directors are mere nominees of the debenture-holders. He also asked whether the power of exemption in Clause 2 cannot be extended so as to include a description of the business. Mr. King, referring to the Bill as an extension of the Registration of Business Names Act, complained of the way the Department established by that Act is being carried on. It would be no use adding to the work of that office until some of the muddle and confusion is cleared up. The Solicitor-General (Sir Gordon Hewart) said he understood that the debenture-holder is affected by Clause 3. The difficulty as to the nature of a company's business can easily be settled by a reference to the articles of association. The Bill was committed to a Committee of the whole House.

CHEMISTS' ASSISTANTS IN IRELAND.

On June 8, in the House of Commons, Mr. Byrne asked the Chief Secretary for Ireland if he will cause an inquiry to be made into the working conditions and wages paid to chemists' assistants in Ireland; if he will see that licences are not issued to chemists paying assistants a starvation wage; and if he will see that their working-hours are not such as to be injurious to health.

Mr. Duke replied that in regard to the first part of the question he would refer the hon. member to the reply given on May 17 by the Parliamentary Secretary to the Ministry of Labour. Chemists are regulated by the provisions of the Pharmacy Acts, and not under licences issued by the Chief Secretary. The working-hours are regulated by the Shops Act.

Mr. Byrne: Is the right hon. gentleman aware that the Government has placed contracts with chemists in Ireland who pay their assistants 25*s.* a week and make them work sixteen hours daily?

Mr. Duke: No, sir, I am not.

[Mr. Alfred Byrne informs our Parliamentary representative that he proposes to await further developments before proceeding with his campaign in Parliament in regard to assistants' salaries.]

THE SUPPLY OF ARTIFICIAL LIMBS.

Major Chapple asked the Minister of Munitions on June 7 whether he is aware that 8,805 artificial limbs have been made for our soldiers by private firms at a cost of 127,293*l.*; that over 7,000 additional men who have already lost their limbs have still to be supplied; that the suggestions and experience of limbless men are now being taken advantage of by private firms; that the cost of renewals and repairs will be a continually recurring one; and will he, in view of these facts and in the interests of economy and efficiency, institute an investigation into the cost of production in order to ascertain whether these limbs can be made by the Government.

Sir A. Griffith-Boscawen replied that the figures given in the question are approximately correct, and it is the case that the cost of renewals and repairs will be a recurring one. Whether it would be more conducive to economy and efficiency to undertake manufacture by the State than to continue to get the appliances from the firms engaged on the industry is a question on which opinion is divided. The Pensions Ministry would not hesitate, however, to adopt the former alternative if there was reason to suppose that the prices charged by the firms in question were considerably in excess of intrinsic value. The careful watch that is kept by the Ministry on the cost of production as compared with the prices charged does not indicate that the action suggested in the question is called for at present.

THE SUPPLY OF FLAVINE.

General Croft, M.P., on June 8, in the House of Commons, asked the Under-Secretary for War (1) whether the properties of flavine were known to the medical profession in January last, when a preliminary report was published in the "British Medical Journal," and whether up to this time substantial quantities of flavine cannot be obtained for the treatment of wounded soldiers in any hospital either at home or abroad; and (2) whether the War Office has received information as to the properties of the new antiseptic, and, if so, what steps have been taken to obtain it, to whom was the order given for the supply of flavine, and within what time was the order executed; whether there has been any delay in the execution of this order, and, if so, what is the reason?

Mr. Macpherson replied: The antiseptic properties of the substance referred to were described in a preliminary report published in the medical Press in January last, giving the results of experiments with a small supply of this complex substance specially made for these experimental purposes in a Government laboratory. Arrangements were made at the same time for further trials in various military and other hospitals, and steps were taken with a view to a commercial supply being made available in the event of these trials proving sufficiently favourable. The trials have been in progress since January, and the effects so far obtained are under careful comparison with those of other antiseptics. Before the substance can be placed on the market a licence must be obtained from the Board of Trade, as the substance is the subject of a patent obtained before the war. Applications were made to the Board of Trade by various firms in the middle of last month. The hearing took place on May 24, and I am informed that the requisite licences are now being issued to five firms. There would therefore seem to be no doubt that the supply of the substance will be made available as rapidly as the several firms can produce it.

General Croft: Is it not a fact that a definite order was given for this antiseptic, and, owing to the exorbitant price demanded there was delay; and will the hon. gentleman supply any information on the subject, as it is impossible to obtain this antiseptic?

Mr. Macpherson: As I have stated, five large firms have now made application to supply it, and I hope in the near future it will be available.

Association Affairs.

Aberdeen.—The quarterly meeting of the Aberdeen Pharmaceutical Association was held in Gordon's College on June 3, Mr. A. F. Dugan presiding. Messrs. J. P. Kay, W. Giles, W. F. Hay, and Dr. Tocher were appointed delegates to the British Pharmaceutical Conference. The question of supplies of glycerin was discussed, and it was agreed to issue a circular asking members what supplies of glycerin they could dispose of to their less fortunate brethren. A warning was given to panel chemists to be exceedingly careful in dispensing N.H.I. prescriptions. It was also pointed out that proprietary articles were occasionally dispensed by chemists contrary to the instructions of the Insurance Committee.

Association of Women Pharmacists.—The following are retiring by rotation: Miss Buchanan (President), Miss Braithwaite (Assistant Secretary), Miss Andrews (Employment Bureau Secretary), and Mrs. Worth and Misses Gilliatt, Heywood, and Sargent (members of Committee). All, except Miss Gilliatt, offer themselves for re-election. Nominations for the Committee (which must be those of members willing to serve) are to be sent, not later than June 16, to Miss Hughes, Royal Chest Hospital, City Road, E.C. 1.

Edinburgh.—The first botanical excursion of the Edinburgh Chemists', Assistants', and Apprentices' Association for the summer session took place on June 6, when about thirty members travelled from the Caledonian Station to Colinton at 8.30 P.M. The weather was good, and, under the leadership of Mr. H. Stout, Ph.C., a successful and highly instructive excursion was made through the famous Colinton Dell to Craiglockhart. It was noted that many plants usually in full flower at this season were still pretty far from that stage, and generally the season seemed five or six weeks later than usual. On the motion of Mr. J. Rutherford Hill, a cordial vote of thanks was awarded to Mr. Stout.

Great Yarmouth.—At the meeting of the Great Yarmouth Pharmaceutical Association, held on June 7 (Mr. Male presiding), a letter from Mr. Woolcock was read thanking the Association for assistance in regard to the Venereal Disease Act. Mr. Shearman resigned the office of Secretary, and Mr. W. Poll was unanimously elected in his stead. Mr. Richmond was congratulated on his election to the Town Council and on the distinction gained by his son on the battlefield. Mention was also made of the fact that the Secretary's son had been awarded the Military Medal.

Hampshire.—At a meeting of the Committee of the Hampshire Pharmacists' Association held at Winchester on June 6, it was decided that it would be impossible to hold the proposed meeting at Basingstoke this month owing to the restricted railway service and the increased demand on the time of the members, many of whom are now working single-handed. It was resolved that the next general meeting should be held at Winchester on a Thursday, to enable those members to attend who close early on that day.

Huddersfield.—At a meeting of the Huddersfield Chemists' Association on June 12, Mr. V. Shaw (President) in the chair, a letter was approved which is to be sent to a number of firms producing non-protected articles, asking for more equitable terms for distributors. The letter was signed by all the members of the Association and representatives of multiple shops in the town, and the Hon. Secretary (Mr. J. H. Cooper) was requested to send copies to the firms concerned. Arrangements were made for the annual Association ramble on June 20 in the Thurstonland district.

Monmouthshire.—The County Pharmaceutical Association met at Pontllanfraith on May 31, Mr. H. W. Dix presiding. It was decided to offer to dispense for local practitioners on terms to be arranged. The delegates to the annual meeting of the South Wales and Monmouthshire Federation reported on the proceedings, and it was resolved to join the Federation. The Association is to meet quarterly in future, urgent business being transacted by the Executive Committee.

Plymouth.—The Association Committee met on June 8, Mr. Maitland (President) in the chair. Alterations in the Retail Price-list were considered in view of the fact that popular lines, such as salts and sodium bicarbonate, are being sold at cut rates by multiple-shop companies, on which the views of chemists and assistants are invited. Arrangements have been made for day classes to be held at the Technical Schools, covering the whole of the Minor syllabus in four years' work, the times being fixed so that the hour of attending the classes in each year does not clash with any other. Students should welcome such an opportunity, as the fees are very low, and very little further tuition should carry the student easily through the Qualifying examination. The question of taking over the dispensing for doctors who have been called up was discussed, and although no general demand has been made for such services, where it has been done the remuneration generally has been on the lines of the old Insurance Tariff without the "discounting clause."

Royal Institution.—The Friday evening discourse at the Royal Institution on June 8 was by Professor Sir J. J. Thomson, his subject being *Industrial Applications of Electrons*. There was a large attendance. Professor Thomson began by saying that if there were any persons in the meeting who were present in the same hall twenty years ago, when the discovery of electrons was first announced, they would probably recall what they would have thought if they had been told then that electrons would in a few years be put to some industrial purpose. Electrons are now to be found in trade catalogues, and, what is worse for his subject, they are in the law courts. He did not know what would happen if he said that certain improvements were made by A and the Courts declared that they were made by B, so he would be obliged to leave out certain names that he might have mentioned. If we could have a body without mass which would disappear and leave the force still acting, we should have an instrument of great mechanical possibilities, and this is what we have in electrons. Electrons take only the hundred-millionth part of a second to pass through a tube, and they are of value in connection with the measurement of electric waves. Any ordinary instrument that would be acted on by these waves for a millionth part of a second would not know how to move and would simply remain at rest, but to electrons the millionth part of a second is almost an eternity. By means of electrons we can measure electric or magnetic forces; wireless signals can be read by rendering visible the dots and dashes of the Morse code, and they are utilised for registering the arrival of electric waves in connection with wireless detectors, to the manufacture and improvement of which great attention is being paid. The lecture was illustrated by many diagrams and experiments.

Society of Public Analysts.—At the meeting held on June 6 at Burlington House, London, W., Mr. George Embrey (President) read a paper entitled *Some Experiences in the use of Copper Sulphate in the Destruction of Algæ*. He mentioned that water in certain reservoirs, until the introduction of copper sulphate, became, in summer, distinctly green and had an aromatic smell. This was first ascribed to a species of *Chara*, but later to the diatom *Asterionella*, which has at times been found in conjunction with *Tabellaria*. The chemical actions appeared to be that the copper is first changed to copper carbonate, then to hydrate, and finally to the cuprous and cupric oxides, these last-named probably being the real algæcide. Mr. G. D. Elsdon, B.Sc., then described *A Combined Reichert-Polenske and Modified Shrewsbury-Knapp Process*, which is claimed to result in a great saving of time, it being possible to obtain results in from two hours to two hours and a half. The same author suggested a method for *The Differentiation between Coconut and Palm-kernel Oils in Mixtures*, which consists in taking into account both the Polenske and the Shrewsbury-Knapp value. The Polenske value of these oils is very different (17 and 11 respectively), whilst the Shrewsbury-Knapp value is practically identical. Miss Dorothy G. Hewer, B.Sc., next read a note on *Orange-pip Oil*, giving analytical figures for a sample of bitter-orange pip oil, extracted by means of petroleum ether from a commercial sample of the pips. The commercial utilisation of the oil was discussed. Mr. H. Droop Richmond and Mr. J. E. Merreywether then referred to a process for *The Rapid Estimation of the Strength of Sulphuric Acid*, which consists in measuring the heat evolved on dilution. A convenient apparatus for the purpose was described, and a formula connecting rise of temperature and strength given. The last paper, by Miss Norah F. Elliott, B.Sc., and Mr. G. Brewer, was on *The Estimation of Theobromine*. In Kunze's method and Monthulé's modification the estimation of theobromine depends on a silver estimation in the silver-theobromine compound. The results are vitiated by the presence of any substance giving an insoluble silver salt, or, what is more usual, reducing silver, and the results are too high. Accurate quantitative results can, however, be obtained by nitrogen estimations.

THE IVORY CROSS is the name of a dental aid fund which has been opened for the purpose of supplying dentures to discharged Service men, the Home Army, the Mercantile Marine, and the necessitous poor. The movement was inaugurated at the Mansion House, London, on June 12.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Birmingham.—A meeting of persons and firms on the panel for the supply of drugs and appliances was held at the Imperial Hotel, Temple Street, on June 12, about thirty attending. It was agreed that the present Pharmaceutical Committee remain in office for another year. The Secretary read a report of the work of the Committee since the last panel meeting (October 18), and mentioned that the Panel Committee had issued an instruction that "where spirit liniment is ordered, methylated should be provided and paid for." This only refers to the liniments which are permitted by the Inland Revenue authorities to be prepared with methylated spirit—namely, lin. aconit., lin. belladon., lin. camph. ammon., and lin. saponis. A discussion on general trade subjects followed.

Blackburn.—The prescriptions dispensed by Blackburn panel chemists for last March numbered 13,116, and the Clerk has paid 75 per cent. of the estimated cost of the accounts, 245*l.* 17*s.* 9*d.* During the year 1916 the number of scripts was 152,985, against 177,370 in 1915; value, 3,814*l.* 18*s.* 5*d.*, compared with 5,329*l.* 9*s.* 10*d.*; average cost, 5.98*d.*, against 7.21*d.* for the previous year. The Clerk is to dispose of all the old prescription-forms, record-cards, etc., as waste-paper, subject to the consent of the Commissioners.

Bristol.—At the meeting of the Insurance Committee on June 4, it was mentioned in the report of the Medical Benefit Sub-Committee that an agreement had been arrived at with the Military Representatives that six chemists and dispensers previously granted temporary exemption, and three others who had previously been totally rejected for service, are indispensable for the needs of the civil population, under the provision of the Local Government Board dated April 4, 1916, and the usual certificates are being, or have been, issued.

Hampshire.—The Pharmaceutical Committee met at Winchester on June 6, Mr. S. G. Bartlett in the chair. Messrs. Upson (Gosport) and Wainwright (Eastleigh) were appointed to fill the two vacancies on the Committee. It was resolved to write to the Food Commission to the effect that pharmacists require sugar for general pharmaceutical purposes besides that needed for dispensing prescriptions. The case of a qualified manager passed as fit for general service was considered, and a substitute is to be provided in the event of the man being called to the Colours. It was agreed that the Committee remain in office for another year. The report of the Central Checking Bureau on the January prescriptions was adopted. Owing to a breakdown in the adding-machines at the Bristol Pricing Bureau, a settlement of the February accounts was delayed.

Leeds.—The dispensing difficulty at Farsley, near Leeds, which has for some time been without a chemist, panel patients having had to walk to neighbouring townships, has been solved by Mr. Wright, chemist, Calverley, with the aid of Dr. J. R. Lambert, who has allowed Mr. Wright to utilise one of his buildings in Farsley as a dispensary.

London.—The Pharmaceutical Committee met on June 12, Mr. A. R. Melhuish in the chair. A discussion took place on a question raised by Mr. Skinner concerning the Central Checking Bureau, and it was decided to endeavour to obtain the information required for the next meeting. A complaint was received of the irregular use of "Rep. mist." by certain doctors in the Western area, and is to be investigated. The Central Checking Bureau's report for February showed that the pricing is satisfactory. The Committee decided to continue in office for another year. The Insurance Committee is to be consulted as to the attitude of the Panel Committee in regard to the Early-closing Order. Copies of the "Reports of Inquiries and Appeals" are to be obtained for each of the District Associations. A complaint regarding the dispensing service after 8 P.M. was dismissed, as no real necessity was shown for extending the service till a late hour. The issuing of prescriptions by a doctor on other than the statutory forms is to be inquired into. Statistics for the first quarter of the year showed that the number of scripts dispensed was—in January, 332,295; February, 306,245; March, 286,594. Messrs. Procter and Wells were appointed to audit the accounts for 1916. A discussion arose on the Insurance dispensing terms for 1918, and the Secretary was instructed to communicate with the Local Associations Executive on the matter.

Manchester.—The Pharmaceutical Committee met on June 6, Mr. F. W. Bates, J.P., in the chair, when the Committee's accounts for May were passed for payment, and it was agreed, on the suggestion of the Commissioners, that the Committee continue in office for another year. Mr. W. H. Delve resigned from the Committee, having disposed of his business.—At the meeting of the General Purposes Sub-Committee complaints from the Panel Committee as to curtailed hours of dispensing were considered groundless. Circular P.S. 38 was discussed, and deferred to the next meeting. The Central Checking Bureau's report on the January scripts was approved; it stated that the work of the Manchester Pricing Office was very satisfactory. Mr. J. H. Nidd (representative on the Insurance Committee) reported on an inquiry into the quality of malt-and-oil supplied to panel patients, and said the Pharmaceutical Committee would welcome any investigation the Insurance Committee cared to make.

Shipley and Bingley.—At a meeting of the Shipley and Bingley District Insurance Committee last week, attention was drawn to the fact that while medical officers of health have power to obtain a magistrate's order for compulsory removal to a sanatorium of tuberculosis patients who are considered a danger to the community, there was no power to keep the patients there if they were unwilling to stay, and it was reported that many patients were refusing to stay long enough to obtain full benefit from the treatment. The West Riding Committee wrote that the matter was being inquired into, and local Committees were urged to use their best influence with patients. At present the only thing to do with persons who refused to stay was to certify again and get another order. The opinion was general that tuberculosis should be put on the same footing as infectious diseases generally, and a resolution asking other Insurance Committees of the country, through the Association of Insurance Committees, to co-operate to bring this about was carried with one dissentient.

Smethwick.—At the meeting of the Insurance Committee on June 5, the Medical Benefit Sub-Committee reported payment to chemists of the additional 0.3*d.* per prescription for 1916, amounting to 94*l.* 5*s.* 4*d.* The cost of medicine, etc., for temporary residents for the same year was 1*l.* 13*s.* 3*d.*, and for 1915 chemists' accounts to the amount of 3*l.* 10*s.* 3*d.* are to be paid. The Finance, etc., Sub-Committee reported that the Committee's proportion of the cost of the West Midlands Pricing Bureau for 1916 was 66*l.* 17*s.* 1*d.*, the number of prescriptions dealt with being 69,165, at a total cost of 17*s.* 6*d.* per thousand.

Note.

"REPORTS OF INQUIRIES AND APPEALS."—Under this title the National Health Insurance Commission (England) has issued a volume of 164 pages (His Majesty's Stationery Office, 9*d.*), which gives condensed reports of the cases of complaints, under the Medical Benefit Regulations, which have been dealt with up to the end of the year 1916. Parts I. and II. include all inquiries held upon medical practitioners and persons, firms, and corporate bodies under contract to supply drugs and appliances, most of which have been dealt with in detail in THE CHEMIST AND DRUGGIST. Parts III. and IV. deal with appeals against deductions on the ground of excessive prescribing, etc., in which questions of general interest and importance were involved. Part V. comprises reports of all cases relating to questions of "competence and skill" which have been referred to referees, and includes also a number of cases not so referred. This is perhaps the most interesting section of the volume. There are two decisions on refraction which chemist-opticians should note. These are as follows:

I. The service of testing the eyes for errors of refraction is not of a kind which can, consistently with the best interests of the patient, be properly undertaken by a general practitioner of ordinary professional competence and skill.

II. Observations on different methods of testing the eyes for errors of refraction. A practitioner who prescribed glasses, but without using an ophthalmoscope or doing a retinoscopy, held, on the evidence, not to have performed a service beyond the competence of a general practitioner of ordinary professional competence and skill.

Among the services which are not of a kind that could be properly undertaken by a general practitioner, as decided by local Medical and Insurance Committees, are *x*-ray diagnosis, *x*-ray photography for the purpose, and the examination of urine for the detection of lead-poisoning.

"OUR EXPERIENCE is that the greater the eminence of the physician or surgeon, the greater the probability there is of some acute difference of opinion with some other physician or surgeon of equal eminence."—*Mr. Maclean, Chairman of the House of Commons Military Tribunal.*

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, June 14, 5.30 p.m.

THERE is a distinct lack of activity on the markets this week, the approaching end of the half-year and the difficulties under which trading is conducted being largely responsible. The upward movement in salicylic acid has continued, but those who can wait for forward delivery can buy at appreciably less than spot prices; sodium salicylate continues very scarce on spot and is also dearer. Milk-sugar has further advanced, and higher prices are asked for saccharin and formaldehyde by dealers. Phenazone, salol, methyl salicylate, potash permanganate, and lithia carbonate have a firmer tendency. Among the cheaper articles are citric and tartaric acids, glucose (forward), peppers, and shellac.

Higher	Firmer	Easier	Lower
Formaldehyde	Lithia carb.	Citric acid	Peppers
Gum acacia	Methyl salicylate	Glucose (forward)	Shellac
Milk-sugar	Peppermint oil (Amer.)	Phenacetin	
Pepsins	Phenazone	Sulphonal	
Saccharin	Potash permanganate	Tartaric acid	
Salicylic acid	Salol		
Sarsaparilla (native Jam.)	Terpin hydrate		
Soda salicylate			
Vanillin			

Cablegram.

NEW YORK, June 14.—Business in drugs is quiet. Menthol is dearer at $3.15; peppermint oil in tins has advanced to $2.30, and taraxacum to 32c. Cascara sagrada is firmer at 12½c.; tolu balsam is higher at 40c., likewise Peru balsam at $4.00 and copaiba at 90c. per lb. Oregon-fir balsam is 5c. lower at 85c. per Amer. gal.

ACETIC ACID.—Although arrivals have been taking place freely of late, the demand has been good and the parcels have been quickly absorbed; but whether the rate of consumption can be maintained is questionable, owing to technical reasons; 80-per-cent. pure is worth 150*l.* per ton, in casks, ex wharf, London.

AMIDOPYRIN.—Swiss import is worth at least 65*s.* per lb. net.

ARSENIC is in small demand at from 80*l.* to 85*l.* per ton.

ASPIRIN.—The lowest price for B.P. quality is 14*s.* 6*d.* per lb.

BENZOATES.—The production is increasing, and as present prices must leave a very substantial margin of profit to the makers, the prospect is still for cheaper rates.

BROMIDES remain steady and unchanged, with a fairly good demand. Potash is 5*s.* 9*d.* to 6*s.*, ammon. 4*s.* 2*d.*, and soda 2*s.* 10*d.* to 3*s.*

CAMPHOR.—Owing to the fact that a considerable quantity of Japanese Monopoly camphor, flowers, and slabs met with disaster on the way to this country, the market at the moment is somewhat bare so far as regards stocks in dealers' hands, and prices are firm all round. In Japanese camphor there is little doing however, with slabs offering at about 3*s.* 3*d.* English bells are practically unobtainable, and tablets offer at from 3*s.* 6*d.* to 3*s.* 9*d.* per lb. as to size.

The "Yokohama Boyeki" says the Monopoly Office in Tokyo anticipates that the output of camphor in Formosa this year will amount to 8,800,000 kin, and receipts accruing therefrom to 6,350,000 yen. There are indications that the price of camphor is gradually showing an upward tendency on the International market. The Monopoly authorities are, therefore, under the impression that the receipts will amount to something like 6,900,000 yen. In Formosa all possible measures are being taken to encourage the planting of camphor-trees, and in recent years a large number of young camphor-trees were planted in various districts in the island, but during the next thirty years it is impossible to utilise these young trees for industrial purposes. On the other hand, old trees in the island are gradually diminishing, and some anxiety is manifested as to the future of the industry.

CINCHONA.—At the tender to be held at Amsterdam on Wednesday, June 13, 7,417 packages, weighing 530,438 kilos., Java manufacturing bark will be on offer, the quinine-sulphate content being equivalent to 30,852 kilos. The average percentage is 5.82.

CITRIC ACID.—With a slow sale, market is easier at 3*s.* 4*d.* per lb. on the spot.

CLOVES continue quiet, the spot value of fair Zanzibar being nominal at 11*d.* per lb.; June-August delivery is quoted at 10¾*d.*, and August-October 10⅞*d.*; to arrive, near shipment, is 10¼*d.* c.i.f. d.w.

COCAINE is rather firmer at 27*s.* 6*d.* per oz. for hydrochloride on the spot, but very limited quantities are offered. Should there be any sudden or unexpected demand in the home trade, there is the possibility of a further advance.

COD-LIVER OIL.—Our Bergen correspondent writes on May 29 that the Finmarken cod-fishing is the poorest of any previous record. The catch has now reached two millions only, against 5½ millions at this time last year, which in its turn was the poorest result in Finmarken since 1902. In the years of abundance, 1911 to 1913, the catch in Finmarken was from 25 to 30 millions. As the number of boats taking part in the fishing is showing a slight decrease compared with the foregoing week, all hope for an improvement during the remaining part of the season must now be relinquished. The official report gives the following totals of all the cod-fisheries up to May 25:

	1914	1915	1916	1917
Catch of cod (millions) ...	71.7	58.9	47.0	23.4
Yield of c.l.o. (hect.) ...	52,100	48,300	55,300	33,400
Liver for "raw" oils (hect.)	9,800	7,900	5,000	3,700

Writing again on June 4 our correspondent reports that there is no improvement in the Finmarken fishing, neither is any change in the deplorable situation to be expected for the remaining few weeks of the season. The last report gives the following results up to June 1:

	1914	1915	1916	1917
Catch of cod (millions) ...	76.3	61.2	47.4	25.8
Yield of c.l.o. (hect.) ...	54,100	49,000	55,700	33,600
Liver for "raw" oils (hect.)	10,100	8,100	5,100	4,100

COPPER SULPHATE.—Very little export business is being done, but prices are maintained at from 63*l.* to 64*l.* per ton, f.o.b. Liverpool. For agricultural uses in the United Kingdom 50*l.* per ton net, in bags, f.o.r. at works, is still quoted, but there are difficulties in getting supplies at this figure.

EXTRACTS.—The new season's makes of English belladonna and hyoscyamus extracts are now offered at 9*s.* 6*d.* and 11*s.* per lb. respectively, being unchanged in price.

FORMALDEHYDE has further advanced in the U.S.A., and spot rates are correspondingly dearer at from 125*s.* to 130*s.* for 40-per-cent. volume. Still higher prices are likely for this product.

GLUCOSE.—In view of the considerably restricted uses, prices of American for July-August delivery are inclined to be easier. Prompt delivery, moreover, remains scarce at about 60*s.* per cwt. for finest American.

GUM ACACIA is dearer, holders asking 67*s.* 6*d.* for Kordofan sorts, and 72*s.* 6*d.* for cleaned on spot.

HONEY.—Several parcels of Cuban ex auction have been sold at the reduced limits then prevailing. Good pale set Cuban in casks is available at 90*s.*, down to 79*s.* for ordinary, with a good supply offering; Chilian is also in good supply, white offering at 94*s.*; white Californian can be had at 89*s.* 6*d.*, and finest water-white at 94*s.* 9*d.* per cwt. c.i.f. terms Liverpool.

LITHIA CARBONATE is in better demand and rather dearer at about 5*s.* 9*d.* per lb.

MANNA.—Good Sicilian flake is offered at 4*s.* 9*d.* per lb. on the spot.

MENTHOL.—The market remains quite inanimate, and prices are nominally unchanged. The exports from Japan during March amounted to 22.950 kin, valued at 160.894 yen, which brings the total for the three months ended March 31 to:

	1915	1916	1917
Kin	111,555	15[illegible],505	70,956
Yen	609,124	935,768	477,268

he destinations were as follow:

	1915 Kin	1916 Kin	1917 Kin
British India	8,921	4,576	2,928
Great Britain	24,284	70,195	15,115
France	27,329	28,738	1,361
United States	36,840	42,446	47,068
Other countries ...	14,181	4,550	4,484
Kin	111,555	150,505	70,956

ETHYL SALICYLATE is dearer at from 5*s.* 6*d.* to 6*s.* per lb. on spot as to seller

ILK-SUGAR.—A further 5*s.* per cwt. has been added to price, sellers quoting 205*s.* per cwt. net for Dutch of . quality.

INT OIL.—The exports from Japan during March unted to 20,947 kin, valued at 51,792 yen, and during three months ended March 31 the figures were:

	1915	1916	1917
Kin	120,696	141,478	33,985
Yen	222,936	330,430	80,923

UX VOMICA.—For fair button on the spot 40*s.* is quoted.

PPERMINT OIL is rather firmer in U.S.A., and spot holders 11*s.* 6*d.* for finest natural in tins.

PPERS are rather cheaper and in slow demand, fair k Singapore offering on the spot at 11*d.* Aleppy at . and Tellicherry at 11¾*d.*; fair *white* Singapore on is offered at 1*s.* 0¾*d.* and Muntok at 1*s.* 1¼*d.*

PSINS are dearer. Prices have undergone little change the war broke out, but now makers intimate that, the of production having increased, they find it necessary ise prices appreciably; 1 : 2,500 powder is obtainable 3. per lb., and a further advance is expected.

ENACETIN is slightly easier, with sellers at 85*s.* per lb.

ENAZONE still commands 56*s.* per lb. net on spot.

TASH IODIDE.—The exports from Japan during March unted to 10,608 kin, valued at 61,209 yen, and during three months ended March 31 the exports were as w:

	1915	1916	1917
Kin	53,169	41,318	27,788
Yen	388,057	305,972	171,308

crude iodine the exports during March were 1,311 kin, d at 11,639 yen, and for the three completed months xports were as follow:

	1915	1916	1917
Kin	1,185	150	3,822
Yen	8,810	772	33,477

ROGALLIC ACID is in good seasonable demand at unged rates.

ININE.—Very few transactions are taking place at the ent, small quantities sufficing for present consumption m 2*s.* 8*d.* to 2*s.* 8½*d.* per oz. for sulphate. The Government appear to reserve the right to commandeer imports y come to hand, and this attitude exercises a repressive on any speculative tendency. There is little possibility eculation being revived until the outlook is clearer.

imports, exports, and re-exports into and from the d Kingdom during May and the five months ending were:

	1915 oz.	1916 oz.	1917 oz.
mports—			
May	292,500	382,994	364,104
Jan.-May	1,163,282	1,869,274	1,681,216
ritish exports—			
May	175,580	169,026	229,864
Jan.-May	816,759	722,922	822,539
e-exports—			
May	54,166	9,502	18,357
Jan.-May	98,313	154,377	45,277

CHARIN remains extremely scarce on spot, and possibly 310*s.* to 315*s.* net would have to be paid for 550-gth: parcels afloat offer at 300*s.*

ICYLATES.—*Salicylic acid* has continued in good request, pot prices are again higher at 6*s.* per lb., with a firmer ncy forward, as makers are unwilling to contract far owing to the uncertainty of the phenol position; sales ugust delivery have been made at 5*s.* 3*d.* to 5*s.* 6*d.* *m salicylate* continues very scarce on spot, supplies very difficult to obtain both at home and abroad; 7*s.* 6*d.* to 8*s.* is quoted, with July selling at 7*s.* per lb. merican makers are still out of the market for early ry of both acid and soda.

OL is firm at from 8*s.* 9*d.* to 9*s.* per lb. net on spot.

RONIN meets with a small, steady sale at from 150*s.* s. per lb. net, according to quantity.

SAPARILLA.—Small sales of native Jamaica have been made at from 1*s.* 8*d.* to 1*s.* 10*d.*, with 1*s.* 11*d.* asked. Mexican is offered at 1*s.* 5*d.*

SHELLAC continues very quiet, and spot values are about 5*s.* lower, usual standard TN quality offering at 215*s.* and AC Garnet at 230*s.*

SULPHONAL has spot sellers at 42*s.* per lb. net, which is slightly less than our previous quotation.

TAMARINDS are in fair demand, with good Antigua selling in small lots at 37*s.* 6*d.* to 40*s.* per cwt. in bond.

TANNIN ALBUMINATE EX OVO.—Large stocks of this product, useful as a dysentery-remedy, are available on reasonable terms for export buyers.

TARTARIC ACID is rather easier at 3*s.* per lb. on the spot.

TERPIN HYDRATE is getting dearer at 2*s.* 6*d.* per lb. on the spot.

TURPENTINE has been quiet, American on spot closing practically unchanged at 54*s.* per cwt.

VANILLIN.—In the U.S.A. the price has advanced to the equivalent of 50*s.* per lb.; on the spot from 39*s.* to 40*s.* is quoted, being also higher.

WAX, CARNAUBA.—Sales of waxy-grey are reported at 170*s.* per cwt. quay Liverpool, for June-July shipment.

Shellac.

An official intimation states that any firm manufacturing articles for the Government which involve the use of shellac, and unable to obtain the supplies at a price lower than 142*s.* 6*d.* per cwt., should communicate with the Ministry of Munitions (Department P.M.3), Whitehall Place, S.W. 1.

Sulphate of Ammonia.

The Food Production Department has arranged that sulphate of ammonia shall be sold during the next twelve months at not more than the following prices for 24½ per cent. quality in makers' single bags delivered to consumers' station in any part of the United Kingdom, in quantities of not less than two tons on net cash terms: For orders placed for delivery from (*a*) June 1 till September 30, at 15*l.* 7*s.* 6*d.* per ton; (*b*) October 1 till December 31, at 15*l.* 15*s.* per ton; (*c*) January 1, 1918, till May 1, 1918, at 16*l.* 7*s.* 6*d.* per ton. The prices to purchasers who take delivery at the makers' works for conveyance otherwise than by rail is to be 10*s.* per ton less than the prices quoted above. The low price for the summer months has been fixed with a view to encouraging the early purchase and storage of sulphate of ammonia by farmers, manure-merchants, and co-operative societies.

German Drug-markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date up to May 30, 1917:

ACETIC ETHER.—Owing to the high prices for raw material and extreme scarcity of spirit, makers have advanced the prices to m.600 per 100 kilos. for c.p. (0.902-0.904), to m.590 for twice rectified (0.900), to m.580 for 60 to 65 per cent. (0.875); the excise duty is m.300 per 100 kilos.

BELLADONNA-LEAVES from Switzerland are offered at frs.2.20 per kilo.; inland leaves at m.240 per 100 kilos.

BENZOIC ACID and SODIUM BENZOATE are both quoted at m.8.50 per kilo.

COUMARIN is still obtainable at makers' prices.

CREAM OF TARTAR.—Raw material fails completely, and no cream of tartar is to be had. A few thousand kilos. which are on their way to Germany from neutral countries are offered in the Hamburg market at m.1,500 per 100 kilos.

ERGOT is still quoted at m.600 per 100 kilos.

FENNEL-SEED of German origin is extraordinarily scarce. Thuringia is from m.345 to m.350 per 100 kilos., and ordinary Asiatic m.325 per 100 kilos.

HELIOTROPIN is quoted at m.62.50 per kilo.

HYDROCHLORIC ACID is offered at from m.17.50 to m.18 per 100 kilos., to be delivered before August 1917.

IODINE PREPS. were reduced on May 11, the Convention fixing the following prices for Germany and Austria-Hungary and the occupied territories of the Eastern theatre of war: Iodine, resublimed, m.34 per kilo.; potassium iodide, m.28 per kilo.; sodium iodide, m.31.25 per kilo.; iodoform, m.40.75 per kilo. The foregoing are for lots of 12½ kilos.

MASTICH.—All stocks have been expropriated.

SPIRIT PREPS. have again been advanced by makers.

THYMOL is still offered at m.80 per kilo., but stocks appear to be entirely exhausted.

TONKA BEANS.—First Angostura are still quoted at m.22 per kilo., and black Para at m.10 per kilo.

UVA URSI is still obtainable at m.325 per 100 kilos.

VANILLIN is quoted at m.425 per kilo., but the demand cannot be met.

WAXES are easier, bees' offering at from m.17 to m.17.50 per kilo.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals at the Ports of London and Liverpool during the period May 30 to June 9 inclusive:

To London.

Acetanilide, 18 brls. 8 pkgs.
Acetic acid, 370 brls. 120 cbys.
Aloes, 50 cs.
Aloin, 15 cs.
Antim. ore, 462 tons
Apiol, 1 cs.
Argol, 1,984 bgs. 168 cks.
Arsenic, 660 cwt.
Balsams: peru, 10 cs.; tolu, 10 cs.
Beechwood creos., 2 cs.
Belladonna-root, 112 bgs.
Bismuth ore, 500*l.*
Bismuth salicyl., 16 cs.
Boric acid, 80 cwt.
Borax, 200 cwt.
Bromides: ammon., 7 cs.; potash, 27 cs.; soda, 10 cs. 5 pkgs.
Burdock-root, 4 bls.
Cachou le laval, 40 cks.
Calc. citrate, 18 bgs.
Calumba, 50 bgs.
Camphor, 22 cs.
Camphor monobrom., 2 kgs.
Cannab. ind., 35 bgs.
Cascara sag., 732 bgs.
Casein 2,800*l.*
Cassia fist., 20 bkts.
Chamomiles, 20 bls.
Chem. prod., unrated, 6 pkgs.
Chloral hyd., 2 dms.
Chlorophyll, 4 cs.
Cinchona, 775 bls.
Citric acid, 120 cks. 300 kgs.
Cocculus ind., 400 bgs.
Cochineal, 26 bgs.
Copaiba, 29 cs.
Coumarin, 1 crate
Cream of tartar, 270 cks. 86 brls. 32 pkgs.
Croton-seed, 75 bgs.
Cubebs, 81 bgs.
Dental goods, 1,379*l.*
Dioxogen, 300 cs.
Drugs, unrated, 132*l.* 209 bls. 78 cs. 704 pkgs.
Dutch drops, 11 cs.
Dyestuffs: cutch, 250 bxs.; dyewood ext., 100 bls.; hematine ext., 25 brls.; logwood ext., 45 bxs. 25 brls.; tanning ext., 469 brls.
Elderberry flow., 10 bls.
Ergoapiol, 10 cs.
Formaldehyde, 256 brls.
Galls, 24*l.*
Gamboge, 11 cs.
Gelatin, 7,418*l.*
Gentian, 59 bgs.
Glycerin, dist. 1,414*l.*
Glycerophosphates: soda, 1 cs.; potash, 1 cs.; lime 3 cs.
Guaiacol carb., 16 cs.
Gums: acacia, 230 cwt.; copal, 2,064 cwt.; kauri, 463 cwt.; dust, 119 cwt.; olibanum, 250 cwt.; tragacanth, 111 cwt.; unrated, 53 cwt.
Heliotropin, 1 cs.
Hydrastis, 2 bgs.
Hydroquinone 6 kgs.
Indigo, 61 cs. 43 chts.
Insect pow., 71 bgs.
Ipecacuanha, 20 brls.
Juniper berr. 245 bgs.
Leaves, medicinal, 145*l.*; linden-flowers, 53 bls.
Manna, 20 cs.
Methyl chlor., 1 cs.
Methyl salic., 10 cs.
Milk-sugar, 100 cs.
Nuts and kernels: apricot, 24 cwt.; arachis, 741 cwt. 309*l.*; cashew, 84 cwt.; copra, 18,044 cwt.; palm, 720 cwt.
Nux vomica, 1,600 pockets
Oils, essential, natural, 457 cs. 14 drms. 22 pkgs.; star, anise, 60 cs.; cedarwood, 68*l.*; eucalyptus, 306 cs.; *synthetic*, 1 cs.
Oils, fixed: arachis 5,750 cs.; coconut, unref., 655 pps. 19 puns. 14 hds. 502 pkgs.; fish, 250 cs.; fusel, 2,601*l.*; olive, unref., 101 tuns; peach-kernel, 40 cs.; poppy, 8 brls.
Ointment, 87*l.*
Omnopon tabs., 2 cs.
Opium, 12 cs.
Orris, 52 bgs.
Paraformaldehyde, 10 cs.
Parsley-seed 47 bgs.
Pennyroyal, 29 bls.
Perfumery, unrated, 2,566*l.*; toilet-powder, 1,936*l.*
Phenacetin, 6 cs.
Phenolphthalein, 3 pkgs.
Phytin pow., 2 cs.
Potash carb., 5 cks.
Potash muriate, 952 bgs.
Potash persulph, 28 cks.
Potash pruss., 10 kgs.
Quicksilver, 4,568 lb.
Quinine, 85,000 oz.
Rhubarb, 159 cs.
Rosin, 827 cks. 67 brls.
Safrol, 1 dm.
Salol, 42 kgs.
Saltpetre, 11,489 cwt.
Sarsaparilla, 40 bls.
Seedlac, 447 cwt.
Seeds: celery, 20 bgs.; coriander, 688 bgs.; cotton, 2,763 tons 329 bgs.; fennel, 35 bgs.; linseed, 55,147 bgs.
Senega, 10 bls.
Senna, 7 pkgs. 101 bls.
Shellac, 1,394 cwt.
Soap, household, 1,265*l.*; toilet, 1,673*l.*
Soda benzoate, 23 cwt.
Soda caustic, 18 cwt.
Soda cacodylate, 3 cs.
Soda perborate, 98 cwt.
Soda salicyl., 61 cwt. 10 kgs.
Soda sulphite, 200 cwt.
Starches: dextrin, 210 cwt.; farina, 500 cwt.; potato-flour, 200 cwt.; maize, 21,009 cwt.; rice, 3,122 cwt.
Sulphonal, 1 cs.
Sulphur, 396 cwt.
Surg. dressings, 102*l.*
Tannic acid, 36 brls.
Tartar, 277 bgs.
Tartaric ac., 60 cks.
Theobromine, 9 cs.
Thorium nit., 24,390*l.*; cerium nit., 245*l.*
Thymol, 3 cs.
Turmeric, 258 bgs.
Urea bromoval, 2 cks.
Urodonal, 62 cs.
Uva-ursi leaves, 19 bls.
Vanilla-beans, 24 cs.
Vanillin, 2 cs.
Verdigris, 10 cks.
Wax (mostly bees'), 381 bgs. 16 bls. 659 pkgs. 88 cs.
Wax, paraffin, 29,748 cwt.
Wine-lees, 250 bgs.
Cancelled entries.—Feb. 13, 77 brls. acetic acid; Apr. 19, 112 brls. acetic acid: Feb. 6, 200 cwt. gum copal, 300 cwt. gum damar; Apr. 12, 9 cs. drugs; Apr. 16, 100 bxs. milk of magnesia; Apr. 17, 15 brls. acetanilide; Feb. 25, 217 cwt. soda acetate; March 1, 31 cs. eucalypt. oil; May 21, 200 cwt. gum acacia.

To Liverpool.

Acetic acid, 761 brls.
Alum, 23 brls.
Ammon. anhyd., 470 cyl.
Antim. ore, 1,047 tons
Argol, 50 sks.
Arsenic, 139 tons 15 cwt.
Boric acid, 121 bgs. 200 brls.
Bromides: ammon., 10 cs.; potash, 10 cs.; soda, 133 cs.
Calc. acetate, 3,903 bgs.
Calc. borate, 5,403 bgs.
Carb. tetrachlor., 4 dms.
Castor oil, 250 cs.
Chemicals, unrated 70 tons
Cinnamon chips, 100 bls.
Citric acid 30 kgs.
Cochineal, 3 bgs.
Cream of tartar, 32 cks. 63 pkgs.
Dental goods, 554*l.*
Drugs, unrated, 512 pkgs. 251 sks. 145 cs. 279 bls.
Dyestuffs, unrated, 124*l.* 44 pkgs. 27 dms. 90 brls. 15 cks. 1 kg.; cutch, 500 bxs.; dyewood ext., 60 brls.; fustic, 9 cwt.; gambier block, 2,485 cs.; logwood, 38 tons; logwood ext., 20 bls. 112 bxs. 35 cks.; logwood liq., 10 cks.; quercitron ext., 50 brls. 150 cks.; sumach ground, 2,412 bgs.; tanning ext., 970 cks.
Formaldehyde, 124 brls.
Ginger, 100 bgs.
Gum copal, 60 cs. 15 bgs.
Hydroquinone, 2 cs.
Iodine, 582 kgs.
Kola, 167 bgs.
Lactic acid, 217 brls.
Lead acetate, 5 tons 6 cwt.
Nuts and kernels: arachis, 9,114 bgs. 1,048 tons; copra, 2,435 bgs.; palm-kernels, 313 tons 119,026 bgs. 4,526 pkgs.
Oils, essential, 148 cs.
Oils, fixed: coconut, 281 brls.; palm, 6,869 cks. 113 pps. 502 pkgs. 242 brls. 4 hds. 3 dms.
Petroleum jelly, 60 cks.
Pot. carb., 5 cks. 10 brls.
Pyrogall. ac., 4 cs.
Rosin, 19,624 brls. 88 pkgs. 150 cks.
Seeds: castor, 55 bgs.; cotton, 3,036 bgs. 9,184 sks.; dari, 280 tons; lin, 10,204 bgs.
Soda butyrate, 2 kgs.
Soda caustic, 303 dms.
Soda hypophosph., 2 cs.
Soda nitrate, 116,082 bgs.
Starches, 19,355 bgs. 6,320 bxs. 430 sks.
Sulphur ore, 749 tons
Sulphuric acid, 250 dms.
Surgical instr., 191*l.*
Talcum powder, 26 cs.
Tartaric acid, 52 cks.
Toluol, 60 dms.
Turpentine, 1,350 brls.
Wax, bees', 57 cs. 300 pkgs.
Wax, carnauba, 22 bgs.
Wax, paraffin, 827 cs. 1,120 bgs. 112 brls.

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Correspondence

The Council-meeting.

Sir,—I hope the President and Vice-President of the Pharmaceutical Society realise the significance of the blank papers which, according to the *C. & D.* report of the last Council-meeting, were a feature of the re-election of these officers. Six Councillors refused to vote for Mr. White, or, if we deduct one blank paper or perhaps the vote for Mr. Hines as a humorist's contribution to the ballot, we have the remarkable fact that five of the Councillors did not think sufficiently of Mr. White to fill up their voting-papers. A similar incident took place in the re-election of Mr. Neathercoat. Both cases are unparalleled in pharmaceutical elections, and I cannot help connecting them with the treatment accorded to Mr. Campkin three years ago, to which I referred at the annual meeting. There were other questions I wished to ask at the annual meeting, but as I was expecting to be called to order by the President I thought it wiser to resume my seat. In conclusion, Sir, I must thank you for the fair and adequate summary of the remarks I made on the afternoon of May 16—such a contrast to the "official organ," in which my unpalatable questions gained three lines and one word, while Mr. Trick's speech of adulation received eight lines. Query: Was it the shortage and dearness of paper, not to mention the increased cost of printers' ink, that accounted for my criticism being so condensed? Like the little child's doubt about the twinkling star, I wonder—how I wonder!

Yours faithfully,
Newman Howard Schollar.
29 Sussex Place, Queen's Gate, S.W.

Proprietaries in Prescriptions.

Sir,—I always read the "Observations and Reflections" of "Xrayser II." with expectation, usually with pleasure and profit, rarely with disappointment. Last Saturday I drew some blanks, for in two of his paragraphs, speaking of proprietaries, he approves of the decision of the Insurance Commissioners "to disallow them all." I am not aware that all proprietaries have been disallowed, but perhaps "Xrayser II." has better sources of information than I, so I leave that point. He appears to regard all proprietaries as "secret" preparations. Perhaps I am wrong in this assumption; if so, he will correct me, but in that case I shall ask him why he talks about "science and secrecy," "disgrace to the profession," etc. If some proprietaries are not secret, then his argument, as a whole, falls to pieces. He is less experienced than I have always taken him to be if he does not know a hundred proprietaries that are not only not secret, but that take a pride in flaunting their composition, so to speak, in the faces of every doctor or pharmacist who cares to read their labels. It follows from this that "Xrayser II." must have something in his mind quite different from what appears in his written words, and hence the need for a clear definition. "Xrayser II." is usually strong on definitions and niceties of language, and I shall be glad if he will kindly define what he means by proprietaries, and then we may perhaps get on common ground. I would like to ask "Xrayser II." what he thinks of salvarsan, galyl, kharsivan, *et id genus omne*. Are these "proprietaries" or not? If they are, does he condemn their use by doctors? If he does not, why not? How does he justify their use while he condemns the use of a thousand other remedies much less secret than they? Further, if one Department of the State is right in disallowing all proprietaries, how does your contributor justify another Department which allows—nay, insists upon—the expenditure of hundreds of thousands of pounds for free treatment by some proprietaries?

Yours faithfully,
M. P. S. (91/19.)

Sir,—I am sorry to note how "Xrayser II.," in the *C. & D.*, June 9, p. 41, "wobbles" on the question of the prescribing of proprietaries. I gather from his concluding sentences that what he has in mind are secret remedies; it is a pity, therefore, that he does not explicitly define what he means by "proprietaries" and "scientific prescribing." I venture to assert that the position taken up by the majority of my brother pharmacists with regard to proprietaries (as distinguished from secret remedies) is absolutely illogical and detrimental to progress. Let "Xrayser II." look through the B.P. Codex and enumerate the preparations which are imitations of, and substitutes for, proprietaries that have been introduced to medicine and pharmacy by progressive manufacturers in all parts of the world. He will find the list a considerable one, and that

it includes all the really important additions to the armamentarium of the medical profession in the fight against disease. If these manufacturers are to cease producing new products as a result of regulations such as those under discussion, to whom, may I ask, are we to look for new remedies? No doubt some old-fashioned members of the craft will suggest that we have enough, and more than enough, of remedies at present. There are a few who think, and sometimes assert, that a doctor who goes outside the B.P. and "B.P. Codex" for his remedies is some kind of a fool, and "doesn't know how to prescribe." So the contents of these two volumes represent the "ultimate wisdom" so far as the science of medicine is concerned, and no further progress is necessary or desirable I do not imagine that "Xrayser II." thinks so! But, I repeat, if we are to have progress, to whom are we to look? Are we to eliminate the great manufacturing houses with their highly trained scientific staffs? Or is it only the British manufacturer we are to discourage by regulations which say in effect, "Go ahead with your research work and improved manufacturing methods, and when you discover a new remedy of merit we will see to it that the medical profession is not allowed to prescribe it." That, I submit, is not an exaggerated statement of the position to-day under the National Insurance Act. It is not a matter of cost. Some of the substitutes recommended actually cost more than the much-hated proprietaries they are supposed to replace. Is it due to an idea that "scientific prescribing" means "stick to the B.P."? Were a British manufacturer to produce, say, a product equal to phenacetin, he would naturally place it on the market as a proprietary. No matter how cheap, it must not be prescribed for insured persons: that would not be "scientific"! If that condition of affairs is not a distinct discouragement to every manufacturer and research worker, something very like "high-handed tyranny," and moreover a decided injustice to the insured person, who is supposed to get the same medicine as "the duke in his palace," perhaps "Xrayser II." will say what it is.

Yours faithfully,
RESEARCH. (53/55.)

The Title "Chemist."

SIR,—We are foolish, I think, to drop the title "chemist." It is a valuable asset for many reasons; it has long been in use among the general public as the designation of those who practise pharmacy, and it is altogether preferable to "pharmacist." By perpetuating the term "chemist" we show ourselves to be the handmaids (however humble) of a very noble scientific profession, and I for one hold that as time goes on chemistry will play a larger and larger part in our vocation. What I suggest, then, is that "pharmacist" be dropped and replaced by "pharmaceutical chemist"—meaning the chemist who specialises in the pharmacy branch. All pharmacists—Major and Minor alike—should hold the title "pharmaceutical chemist," and if the Major men require a distinctive badge let them call themselves—on their notepaper, bill-heads, and outside signs—"super-pharmaceutical chemists"! But our organisation is in the melting-pot, and the near future will see vast changes in the conditions of qualification, and out of the upheaval let us save the term "chemist," or, rather, "pharmaceutical chemist."

Yours faithfully,
Chester. R. CECIL OWEN.

Latin for Pharmacists.

SIR,—With reference to the proposals to delete the study of Latin from the pharmaceutical curriculum, and the possible inclusion of Greek, the following remarks may be of interest. One of your correspondents, who appeared to favour the introduction of Greek, mentions how he and most of his fellow students had a pronounced dislike for the study of this language, though in after-life he himself found a knowledge of it most helpful. However true this may be, we should be careful to avoid making the course of study for pharmacists distasteful, bearing in mind the dearth of apprentices for some time back. I consider that there are many sound reasons for the retention of Latin; the B.P. still adopts it for nomenclature, most of the chemical elements derive their names from it, practitioners employ it when writing prescriptions, and the numerous abbreviations used in giving directions are most convenient, and it might be said are universally employed. A knowledge of Greek roots (derivatives) should suffice for the student of anatomical botany, and were we to expunge classics entirely from our pharmaceutical curriculum, at some future time we might possibly find authorities enthusiastically advocating "Esperanto" as the most suitable language for the B.P. I say by all means let us stand by Latin, and continue to derive pleasure and knowledge from the study of Virgil or Cæsar, with all due deference to the opinion of our learned critic Xrayser II.

Yours faithfully,
H. CORBETT MEYRICK, L.P.S.I.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Jenner's Pills.

G. R. H. (32/55), referring to a previous inquiry and reply regarding Jenner's pills, writes: "I should think this refers to Jenner's constipation-pills, which are advertised in the daily papers by Mr. Jones, chemist, Bournemouth."

Dishorning Animals.

The Secretary of "Our Dumb Friends' League," 58 Victoria Street, London, S.W. 1, writing in regard to a reply to a correspondent in the *C. & D.*, April 28, p. 50, suggests that the inquirer might be advised only to perform such operations with the use of a general or local anæsthetic.

Syrupus Ferri Iodidi.

Can anyone explain why syrupus ferri iodidi, B.P., is made by such a formula, and why it has become such a great favourite at the Apothecaries' Hall dispenser's examination, and a greater *bête noire* of the lady examinee of the same venerable institution? Can it be that the 4 fl. oz. ordered is a difficult matter to calculate?—for ladies are as a rule not good at figures—or is it because it is about the only official syrup ordered to be made up to 1,000 grams, all the ingredients being ordered to be weighed (instead of the water)? What should be the sp. gr. of the syrup, and what its final volume? All these must have puzzled the ladies, as they have in even a greater degree *Abel Scholar.*

Union is Strength.

W. Q. (48/44) writes: "This is old and trite; more's the pity our younger chemists and employés generally do not realise the truth of the matter. A Union, even a small one, could very soon increase the wages of workers in chemists' shops and drug-stores. I happen to know, from hints in black and white from persons in office competent to judge, that it would all be easy enough if we workers could only speak with one mouth. 'Nothing can be achieved unless there is some unanimity among the workers.' There is the plain fact." [Another plain fact is that many attempts have been made to found such an organisation, and up to the present all have failed.—EDITOR.]

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

W. T. (41/51).—The registration of trade-marks is dealt with in *The Chemist and Druggist Diary*, 1917, p. 220.

E. G. (48/40).—A MONTH'S NOTICE is the custom in the drug-trade in regard to assistants and employers. See *The Chemist and Druggist Diary*, 1917, p. 377.

W. S. (41/9).—Orpiment (yellow sulphide of arsenic) is not a poison within the meaning of the Arsenic Act or the Poisons and Pharmacy Act. The definition of arsenic in the Arsenic Act is—

> Arsenious acid and the arsenites, arsenic acid and the arsenates, and all other *colourless* poisonous preparations of arsenic.

The Poisons and Pharmacy Act entry is "Arsenic and its medicinal preparations."

A. D. C. (91/19).—HORSE RATIONS.—The rations for a horse used mainly for trade or business purposes vary according to the kind of horse. "Trotting vanners," for example, are allowed 14 lb. of oats as a daily maximum when in hard and continual work, and 10 lb. when not so employed. Equivalents in maize, beans, and peas may be employed, these being specified in the Horses (Rationing) Order (No. 439), which you can obtain from His Majesty's Stationery Office, Imperial House, Kingsway, London, W.C. 2.

X. Y. Z. (2/97).—PAPER-RESTRICTION ORDER.—One of our subscribers, an American house manufacturing a proprietary medicine in pill-form, encloses a booklet of directions in the package, which also serves the purpose of packing-material. The complete package is imported from the United States. We are asked whether a licence to import the complete packages is likely to be granted in such a case. [We have made definite inquiries from the Royal Commission on Paper, and are informed that the importation of such printed matter is not permitted, and that no licence would be issued.]

J. H. (53/63) consigned a parcel of goods by rail, at company's risk, marked carriage paid to destination, the payment being charged to account. More than a month has elapsed, but the goods have not been delivered, and have presumably been lost in transit. The railway company has sent in a claim for the payment of the carriage for the lost goods. Must "J. H." pay the carriage before he can enforce a claim for the value of the lost goods? If so, can he claim a refund of the carriage charges? [Strictly speaking, "J. H." is bound to perform his part of the contract by paying the carriage, and he should do so if he proposes to sue the company. He cannot obtain the refund of the carriage, but can claim damages for breach of contract, the measure of which will be *prima facie* the value of the goods lost at the current market price. If "J. H." decides not to sue the company he might refuse to pay the carriage, and then, if he is sued for the amount, counterclaim damages for breach of contract.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

H. M. T. (244/29).—We can think of nothing which will make a passable substitute for sugar in your lemonade-powder unless it be the solid form of glucose. It will be best perhaps to sell the powder without sugar, and direct the customer as to the amount to be added. The directions may be altered to read: "Sweeten according to taste."

A. M. (44/45).—Repairing Vulcanite.—Saturated solution of shellac in spirit is employed, but to make a perfect joint a vulcanising process is necessary. The method consists in smearing the edges of the joint with the thick liquid produced by evaporating a mixture of sulphur (1), caoutchouc (3), spirit (6), and carbon bisulphide (100), and heating the vulcanite to about 310° F. for four hours.

B. & Co. (34/11).—There is no book, so far as we are aware, devoted to the manufacture of flavouring-essences, but the chapter in "Pharmaceutical Formulas" covers the subject very well.

J. G. A. (39/61).—Killing Pond-weeds.—Copper sulphate in the proportion of 1 in 1,000,000 kills algæ and similar growths in ponds, but that strength is not sufficient to injure fish living in the water. The copper combines with the algæ, and very little can be detected in the water a few hours afterwards. The sympathetic references you make in your letter are much appreciated.

W. H. K. (43/7).—(1) One-solution Photographic Developer:

Metol	50 gr.
Quinol	40 gr.
Sodium sulphite	1 oz.
Sodium carbonate	1 oz.
Potassium bromide	25 gr.
Water to	20 oz.

Mix in the order given.

(2) Combined Toning and Fixing Solution:

Sodium hyposulphite	3½ oz.
Lead acetate	40 gr.
Gold chloride	5 gr.
Water to	20 oz.

Dissolve the hypo. and lead salt in the water, set aside for two days, filter, and then add the gold chloride.

Puzzled (41/69).—Salicylic acid is soluble 1 in 3.5 of 90-per-cent. alcohol and 1 in 40 of 45-per-cent. alcohol. It is more soluble in ether.

P. B. S. (38/20).—Making Paper Transparent.—Equal parts of Canada balsam and oil of turpentine is excellent for this, but the following is cheaper:

Oil of turpentine	6 parts
Resin	1 part
Boiled nut oil	1 part

P. H. M. (43/65).—The Colouring Matter of Turmeric is best obtained by macerating the powdered rhizome with carbon bisulphide for sixty hours to remove the oil, then extracting by shaking with ether. The extract thus obtained is crystallised from alcohol, and can be made into a tincture for use as a colouring agent. The oil having been removed, the product made by this method is free from the characteristic turmeric odour.

Magnesia (38/16).—Bread-improver.—A correspondent (*C. & D.*, May 12, p. 52) informed us that Epsom salt is used for whitening war-bread, but we are unable to say whether it answers that purpose to any degree.

W. M. T. (42/27).—Glass-polishing, which is needed for the removal of scratches from a mirror, is a tedious job if you have not the mechanical assistance which glass-polishers have. It would be better to send the mirror to be repolished.

D. A. (Milan) (91/19).—Rubber Plasters.—The following formula will give you a good idea of the composition of these plasters, but there are many difficulties to overcome in the mechanical part of the process before you can turn out perfect plasters:

	Parts
Resin	4
Japan wax	1
Benzoated beef-tallow	8
Anhydrous wool-fat	3
Washed indiarubber	2
Sesame oil	1
Lead oleate (precipitated) ...	80
Methyl salicylate	0.6
Thymol	0.4

Melt the resin, tallow, wool-fat, and wax together; then add the rubber "solution" (prepared by macerating the rubber in five times its weight of benzin), previously mixed with oil. After recovery of the benzin by distillation the whole is strained through three or four thicknesses of gauze, and the lead oleate, previously melted, added. The plaster-mass is then sterilised with the methyl salicylate and thymol, added to the mass at 65° C. and maintained at that temperature for an hour. The plaster is finally spread on sterile material (shirting, cretonne, etc.), observing aseptic precautions.

Leakage (37/49).—Bottle-capping.—The solvent properties of mineral naphtha preclude the use of many useful substances for capping bottles containing that solvent. A gelatin capping or viscose caps would probably answer all right, as gelatin and cellulose are insoluble in benzin.

H. A. S. (39/15).—Active Agent in Asparagus.—The chief non-protein nitrogenous substance is asparagin (amido-succinamic acid), which acts as an aperient, and soon passes out of the system in the urine, to which it gives a characteristic odour. This amide also occurs in potatoes, lettuce, chestnuts, and various other vegetables. Asparagus is credited with being especially valuable to persons suffering from nervous affections, palpitation, and neuroses of the heart.

Tara (46/32).—Cantharides.—The European cantharides contain, according to Professor Greenish, an average of 0.6 per cent. of cantharidin, and some analyses of Chinese blistering-insects which we have seen show from 1 to 1.75 per cent. It must be remembered, however, that the proportion of the active principle varies; it was this fact which caused the pharmacopœial authorities to employ cantharidin in place of cantharides in official preparations. Euphorbium as a blistering-agent answers best in an oily basis—*e.g.*, 1 in 4 of cod-liver oil. The liquid is coloured by the addition of a little alkanet-root.

Devonian (26/14).—Turpentine Liniment.—The Pharmacopœia formula is a "catchy" one; an intractable liniment often results. Improved methods of preparing the liniment were given in the *C. & D.*, September 11, 1915, p. 64, and March 18, 1916, p. 44.

F. & Co. (35/11).—The date up to which unregistered dental practitioners can be supplied with cocaine solution has been extended to July 31.

H. L. R. (36/48).—The weight of a gallon of linseed oil is 9 lb. 5 oz.; of the same measure of boiled oil, 9 lb. 7 oz.

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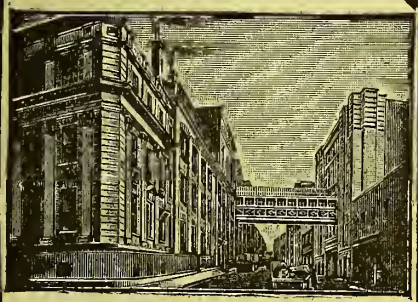

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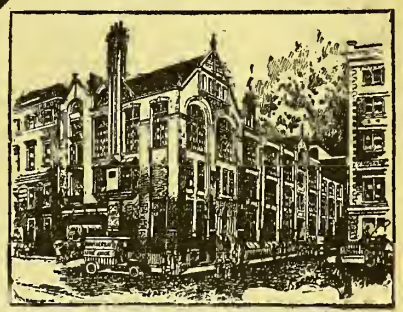

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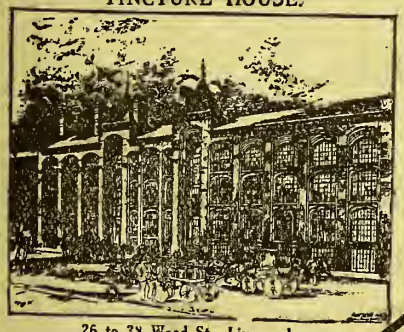

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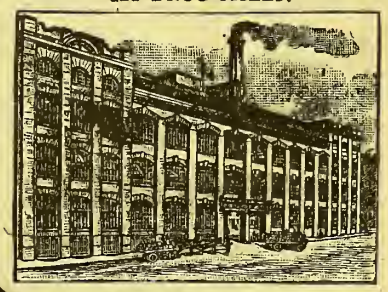

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Antim. Tart. Pulv., 7 lbs. @ 4/- lb.
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* " Rosæ Conc. 1–40, 1 lb. @ 7/9 lb.
* " Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 8d. lb.
* " Samb. Conc., 1–40, 1 lb. @ 6/11 lb.
* " Samb. Trip., 6 lbs. @ 8d. lb.
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Calcii Carb. Præcip., 5 cwt. @ 21/6 cwt.; 1 cwt. @ 26/- cwt.; 28 lbs. @ 30/- cwt.
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" Ulmi Fulvæ, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.
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Creta c. Camph., 7 lbs. @ 11d. lb.
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" Præparata, 7 lbs. in box @ 1/3 each.
Cubebæ, English Ground, 28 lbs. @ 3/8 lb.; 7 lbs. @ 3/10 lb.

*Dec. Aloes Co. Conc. 1–2, 6 lbs. @ 2/1 lb.; Sinecroco, 6 lbs. @ 1/4 lb.
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" Plumbi, P.B., 7 lbs. @ 1/2 lb.
" Resinæ, P.B., 7 lbs. @ 1/2 lb.
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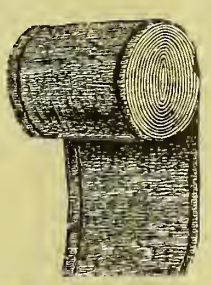

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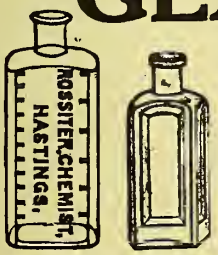

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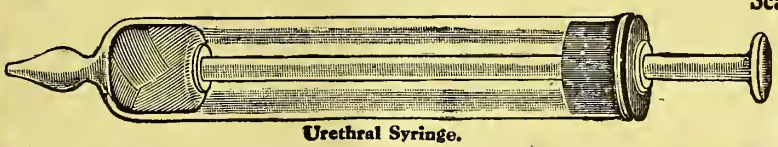

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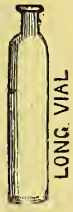

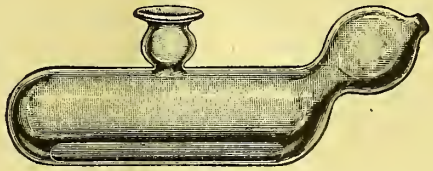

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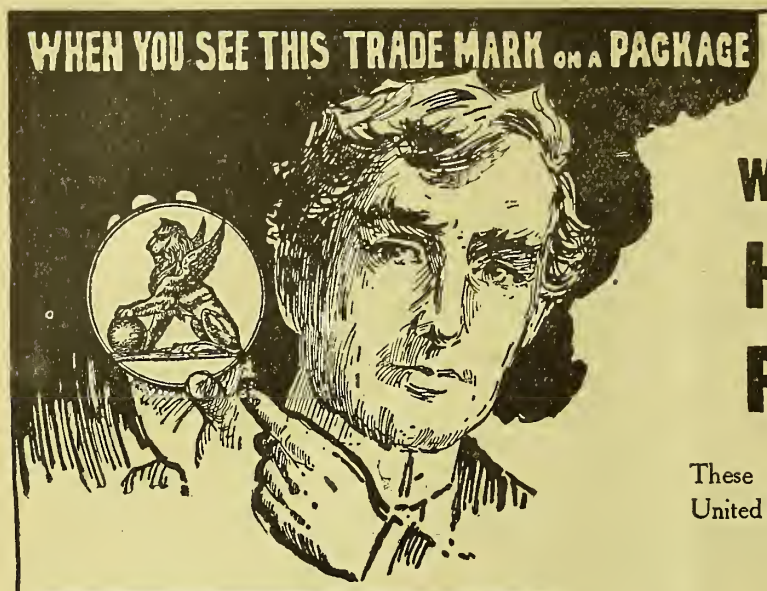

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FLEXIBLE CAPSULES

We have recently installed new machinery for the manufacture of Capsules and Perles, and have now one of the most modern plants in the United Kingdom.

The "Winged Lion" Capsules do not shrink, contract or go mouldy, but retain their flexibility for any length of time.

All Capsules are filled with the purest ingredients and are guaranteed effective.

SANTAL CAPSULES.—We would specially direct your attention to the fact that we use the finest "English drawn Santal Wood Oil" only, guaranteed pure, in our Capsules.

CAPSULE LIST SENT ON RECEIPT OF BUSINESS CARD.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, JUNE 16, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.' Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—MAYFAIR.—For immediate disposal, high-class Dispensing and Retail Business; returns about £1,200; *gross profit between £650 and £700*; the business is known to us, and we can recommend it; valuation terms.

2.—LONDON, N.E.—Ready-money Business; established many years; held by vendor upwards of 25; now retiring; returns about £650; *net profit* £214; comfortable residence; terms, valuation of stock and fixtures; part payment entertained.

3.—SOUTH-WESTERN LINE.—Good-class Business; capital position; returns about £2,000; intending investors with £1,100 at command will find this a sound concern; full investigation invited.

4.—MAIDA VALE (Near).—Retail, Dispensing, and Optical; chiefly ready money; returns about £1,000 yearly; well-fitted shop; no active opposition; price £450.

5.—KENT (A Few Miles Out).—Good-class Business, Retail and Dispensing; returns £700; *net profit about one-third*; roomy house, with garden and side entrance; price £450.

6.—SURREY (Suburb).—Good-class Retail and Dispensing Business, with Optical connection, in select residential district; returns about £2,500 per annum; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably.

7.—MIDDLESEX (District Suburb).—Retail and Dispensing Business; situate in growing neighbourhood; returns exceed £500 yearly; corner shop; situate in close proximity to railway station; price about £300.

8.—SURREY (Residential Locality).—Select good-class Business, admitting of extension; returns about £1,000 at good prices; well-appointed shop and good house: price about £700.

9.—WEST OF ENGLAND.—Vendor retiring; price £350, or best offer will secure a good-class Retail and Dispensing Business returning about £800 yearly, with scope for development under energetic management; further details on application.

10.—OXON. (Market Town).—Good-class Business, Retail, Dispensing, and Photographic, with small Mineral Water Plant; returns average over £1,000 yearly; scope for development; good position in main thoroughfare; valuation terms entertained.

11.—HERTS. (Borders of).—Ready-money Business; held by vendor many years; returns over £30 per week; good position in main thoroughfare; comfortable residence, with garden; rent moderate; price about £500; vendor invites the fullest investigation.

12.—HEALTH RESORT (Within Easy Reach of London).—Established Business; capital situation; returns under management about £12 weekly; scope for development under personal supervision; attractive double-fronted shop with comfortable residence attached; price £250.

13.—EXETER (Near).—For Disposal through death, Family and Dispensing Business; returns between £400 and £500; rent £38; no immediate opposition; price £175.

14.—KENT (Suburban).—Well-established Business, Retail and Dispensing; returns £900; *net profit* about £250; full investigation is invited; price £275 on entry and £175 by instalments.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

BATTAM & HEYWOOD

(ESTD. 1837)
CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.
Balance Sheets Prepared. Books Audited.
3 DAVIES STREET, BERKELEY SQUARE, W.
Telephone: GERRARD 2169.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

65 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—DEVON (Market Town).—Good-class Retail, Agricultural, and Photographic Business, under management and scope for increase; returns average £1,300; principal did £1,500; main road position; splendid premises; fully stocked; price simply valuation, about £900.

2.—SOUTHEND-ON-SEA.—For immediate Sale, through death; good-class Business; returns last year over £800; plenty of scope for increase; well-appointed Pharmacy, with good house attached; price £450 or valuation.

3.—SOUTH COAST.—Sound, unopposed Light Retail Business; returns under manager £600; plenty of scope for increase; rising town; low rent; modern fitted shop, fully stocked; price £375; strongly recommended.

4.—HERTS.—Good-class Light Country Retail, in best position of small market town; returns average £900; good profits; splendid house; own property; price £400 cash.

5.—BATH.—High-class Dispensing Business; owner retiring; returns £800; good profits; fine position; plenty of scope; price for quick sale £350 or first reasonable offer.

6.—LONDON, W.—High-class Dispensing Business for Private Disposal; returns between £2,000 and £2,500; excellent profits; prominent position; with scope for increase; fine opportunity for two smart men; price £1,100; references required.

7.—LONDON, N.—Genuine Cash Retail with N.H.I.; in same hands 24 years; now retiring; returns £800; net profit over £250; large, handsome shop; prominent corner position, and in younger hands would soon do £20 weekly; price £300 or valuation; half can remain.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

MIDLANDS.—Owing to death of proprietor, excellent Retail and Dispensing Business, with Wine and Spirit licence, in healthy, flourishing country market town; a prosperous business for 50 years, and still open to development; modern premises with good house; well-fitted shop; satisfactory lease; an exceptional opportunity to immediate buyer. Apply, Mrs. G. Heaton, Ripley, Derbyshire.

MIDLANDS.—For immediate Disposal owing to military service, excellent Business on main road of healthy manufacturing suburb; mahogany fitted; well stocked; double-fronted shop; good house, separate entrance, and every modern convenience; rent £28; splendid opportunity to obtain sound, reliable concern; valuation or reasonable offer; part could remain; present hands 15 years; full particulars on application; references required. Apply 264/11, Office of this Paper.

SOUTH WALES.—Immediate disposal, in busy industrial centre, well-established Business showing good returns and profits; a *bona-fide* going concern, and will bear strictest investigation. Apply in first instance to J. W., "Brynawel," The Parade, Whitchurch, Glam.

AN old-established Business; excellent position; low rent on lease; returns £2,000, with prospect of considerable increase; heavy stock; good medium all-the-year-round trade; price £1,400 cash. Full particulars, Shearman, 156 King Street, Great Yarmouth.

HEALTHY, pleasant Suburb of Midland City.—Dispensing and Photographic Business; nicely fitted, electric light; main road; room for considerable development; cheap to quick buyer; returns average £2,500; Insurance Prescriptions 6,000 year; few Patents; good prices; big Drug and Sundries Stock; profitable Agency. Apply 264/15, Office of this Paper.

OWING to Manager difficulty, small, well-fitted Shop, with good Stock; comfortable house; very low rent; good working-class, healthy London Suburb; for quick sale about £200 accepted; easy terms; would suit a lady; fair amount of N.H.I. work. "Pharmacist," 88 Fernleigh Road, London, N. 21.

UNOPPOSED Mixed Village Drug Stores, with small Wholesale attached; scope for further development; suit qualified or unqualified; good reasons for disposal; double-fronted shop, with convenient house attached; near sea; returns £1,400, annually, increased; stamped addressed envelope for particulars if sincere. "South Coast" (267/9), Office of this Paper.

BUSINESSES WANTED.

A GOOD-CLASS Retail and Dispensing Business; Optics no objection; turnover about £1,000 upwards; well-ordered and roomy shop desired; good educational facilities in town indispensable; locality preferred, Hampshire, Dorset, Surrey, Sussex, or Herts; replies treated in confidence. Address "Pharmacist," c/o Mr. Lewis, Pharmaceutical Chemist, 289 Broad Street, Pendleton, Manchester.

BUSINESS required in Liverpool district or Wirral; house with modern conveniences; little N.H.I. Dispensing or none. W. Thomas, 17 Rockfield Road, Anfield, Liverpool.

CHEMIST, over military age, wishes to purchase genuine, good-class Business; Leeds district preferred; prompt cash payment for a concern doing a good profitable turnover. J. H. Campbell, 13 Ashville Terrace, Cardigan Road, Leeds.

TO LET.

GOOD House and Shop, situated in thickly populated part of Walthamstow; recently let as Chemist, doing good business; owner had to close to join up; no other Chemist near; excellent opportunity for man with small capital; low rent, £26 per annum. Apply Harris, 28 The Drive, Walthamstow.

SHOP AND PREMISES, WEST END.—Chemists' for many years; vacant at June owing to death of proprietor; good market position; rent £130 on lease; part let off; no premium, no fixtures. Apply, Elliott, Son & Boyton, 6 Vere Street, Oxford Street, W.

AGENCIES.

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AUSTRALIA.—A Manufacturers' Representative in close touch with the trade throughout Australia is desirous of securing Agencies for respectable Houses handling General Chemical and Toilet Lines; first-class references can be furnished; Bankers, Commercial Banking Co. of Sydney. Lynton H. Barrington, *Daily Telegraph* Buildings, Sydney, N.S.W., Australia.

CHEMISTS anxious to meet the present great rise in working expenses should write for particulars of our novel quick-selling line that gives the trader a fair profit. Kosmo Food Co., 105 George Street, Croydon.

FOR SALE.

FOR immediate Sale, whole or part of complete Fittings of branch shop, including Shop-rounds, Jars, Shelving, etc.; seen any time by appointment. C. Neale, 28 Circus Road, N.W.

FOUR Pear-shape Carboys, cut stoppers, 6-gallon; three Specie Jars, glass canopies; 1 ounce each Salipyrin, Jothion, Orthoform, Chloralamide, Ferri Iodide, Sulphonal. Offers wanted. Richardson, Pharmacist, Annan.

NATIONAL Cash Register (second-hand); must sell at once; best condition. Letters to C. Hessey, 50 St. Thomas' Road, Finsbury Park, N. 4.

TWO Bent Plate-glass Counter Show Cases, with Mirror Back, to open, sloping and flat display shelf at back; polished mahogany; 38 inches long, 23 inches deep, 9 inches high; price 30*s.* each; a bargain. Thos. Carter, 171 Boughton, Chester.

20 GROSS Court Plaster, 1*d.* and 2*d.* size, black and pink, perforated and non-perforated; 40 1-lb. sealed tins Extract of Malt; Colchicine, pure, 4 grms.; 1 gross Yeast Superfatted Soap; what offers? Apply 264/160, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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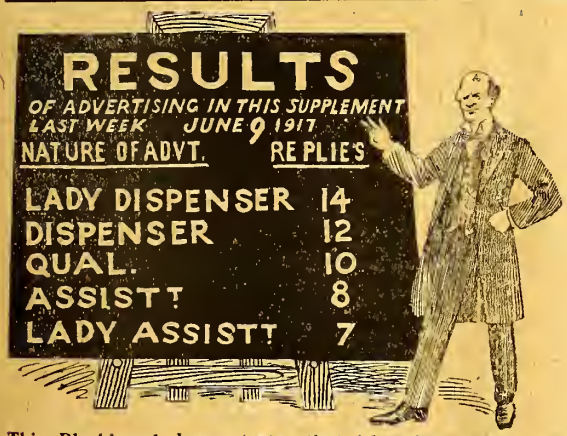

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

ABERDEEN.—Lady Assistant required. Apply, with particulars of experience, references, state salary, Hunter, Chemist, 111 Union Street.

ALDERSHOT.—Wanted, Junior or Improver; lady or gentleman, or unqualified man past military age or ineligible; Light Retail and Dispensing. Allen & Lloyd, Aldershot.

BATH.—Lady Assistant, with Pharmacy experience in Dispensing and at Counter; eight working hours daily; salary £2 10*s.* per week. Apply 268/160, Office of this Paper.

BATH.—Competent Assistant as substitute; must have been accustomed to good-class trade. Apply 268/16, Office of this Paper.

BATLEY CO-OPERATIVE SOCIETY, LTD., require, at once, lady Dispenser (Apothecaries' certificate) or ineligible male Assistant for their Drug and Dispensing Department; good-class Retail and Light duties. State experience and salary required to F. B. Hirst, Ph.C., F.S.M.C., Manager, Carlton Street, Batley.

BERMONDSEY, S.E.—A qualified lady or gentleman to manage small Dispensary (N.H.I.) and Retail Branch; highest references essential. If resident in London, please write, making appointment for interview, giving full particulars of experience, etc., to Austins, Ltd., 196/202, Bermondsey Street, S.E. 1.

BIRMINGHAM (Near).—Young lady Assistant required for progressive Chemists' business; one who has had previous experience with a Chemist preferred; state salary required and when at liberty. "Staff" (265/264), Office of this Paper.

BIRMINGHAM.—Good opening for smart, unqualified man, age over 42, in the office of a well-known firm; must have had all-round experience and be well up in prices. "Hazel" (265/262), Office of this Paper.

BIRMINGHAM.—Smart young lady required for Office of well-known firm; must have had experience in handling N.H.I. Scripts and have had some experience in a Chemist's establishment; permanency. Apply 265/26, Office of this Paper.

BIRMINGHAM.—Qualified Chemist required for Retail and Dispensing; capable of taking charge; good Counter man. State experience and salary required to Wilkins, 359 Birchfield Road, Perry Barr, Birmingham.

BOGNOR.—Wanted, as soon as possible, reliable Assistant; qualified or unqualified; lady or gentleman; if gentleman, must be ineligible; outdoors. Send full particulars age, salary, etc., to C. T. Cooper, Chemist, Bognor.

BRIDLINGTON.—Qualified lady Dispenser, to take charge of Dispensing and help at Counter; high-class Pharmacy. Purvis, Promenade, Bridlington.

CHEPSTOW (MON.).—Wanted, qualified Manager for Branch; sole charge. Apply, stating usual particulars, Clarke, Chemist, Chepstow.

COLWYN BAY.—For the season, unqualified Assistant, lady or gentleman, used to high-class Retail and Dispensing; knowledge of Photographic business necessary; outdoors. State experience, salary, and references to Neill, Chemist, Colwyn Bay.

CROYDON.—Assistant wanted for General Retail and Dispensing; capable and reliable. Apply, stating experience, references, salary, etc., Barron, Chemist, 77 High Street, Croydon.

EASTBOURNE.—Junior lady Assistant wanted (outdoors) for old-established, good-class Family and Dispensing trade; Improver not objected to; good hours. State usual particulars to Geo. A. Harmer, Pharmacist, Eastbourne.

GRAVESEND.—Wanted, an unqualified Assistant (outdoors); if a lady, must have had Dispensing experience in a Pharmacy; if a gentleman, must be ineligible or in C 2 or C 3; good medium-class business with N.H.I. Dispensing; state salary required and usual particulars. E. Millhouse, New Road, Gravesend.

LONDON.—Manager required in good-class Dispensing business; must have undeniable references and large experience in Dispensing, Prescribing, Photography, and Buying; state age, full particulars, and when disengaged; liberal terms. Apply 266/24, Office of this Paper.

LONDON.—Qualified wanted for brisk Counter trade; ineligible for Army; whole day holiday; occasional Sunday evening duty; good salary. Apply personally, or write, stating full particulars and salary required, to Wm. Fox & Sons, Ltd., 109/113 Bethnal Green Road, E. 2.

LONDON (POPLAR DISTRICT).—Young lady Assistant required for progressive Chemist's establishment; permanency; must have had some Counter and Dispensing experience. "Poplar" (265/260), Office of this Paper.

LONDON (Near).—Sutton, Surrey. Wanted, capable lady Assistant, of good address and well up in Dispensing; comfortable berth; easy hours; outdoors. Apply, enclosing photo if possible, Cooper, Chemist, Sutton.

LONDON, N.W.—Qualified Assistant wanted for Dispensing business; furnished house provided; application from lady entertained if mother or lady friend could share the house. Apply P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W. 6.

LONDON, N.W.—Qualified Assistant wanted, man or woman, for evenings and some Sunday duty; free furnished house, and salary according to time given. Apply 267/22, Office of this Paper.

LONDON, N.W.—Assistant required; ineligible or over military age; whole or part time; Dispensing and Counter; not much Insurance work; please state age, experience, and salary required. S. P. Sayers, 7 Brent Street, Hendon, N.W.

LONDON, S.W.—Qualified Assistant, outdoors, wanted for good-class Dispensing business; ineligible. State experience, age, and salary required, enclose photo, to Barnes & Marsh, 194 Upper Richmond Road, Putney, S.W. 15.

LONDON, S.W.—Wanted, an Assistant, exempt from military service. Apply, with full particulars, to Amoore & Co., 173 Sloane Street, S.W. 1.

LONDON, W.—Qualified Assistant for good-class Dispensing business; lady or gentleman; indoors or outdoors. John Keall, 68 West Hill, East Putney.

LONDON, W.—Temporary Assistant required, gentleman (over age) for relief work during July, August, and September Apply, stating full particulars, salary required, to John F. Harrington, 15 Kensington High Street, W. 8.

LONDON, W.—Qualified (Minor) lady or gentleman (ineligible) Assistant required for first-class West-End Dispensing in old-established Pharmacy. Apply, by letter, giving previous experience, and stating salary (outdoors) required, to E. G. H., 1 Southwick Street, W. 2.

MANCHESTER.—Assistant; one with some Dental experience preferred but not essential; salary 45s. and commission; no Sunday duty, Wednesday half-holiday; no N.H.I. work. Also help, male or female, for 2 hours, evening 6 to 8. Apply 265/19, Office of this Paper.

MANCHESTER.—Manager, also unqualified Assistant, wanted; ineligible or over age; must be Salesmen; first knowledge of Photography desirable; Manager to open entirely new Branch; good and progressive salaries; usual particulars. Shand & Orr, 301 Regent Road, Salford.

MANCHESTER.—Young lady required for Chemist's Business; must have some experience with a Chemist; permanency. "Manchester" (265/263), Office of this Paper.

MANCHESTER DISTRICT.—One qualified and one unqualified Manager (lady or gentleman); state age, experience, and salary required. R. Needham, Chemist, Stalybridge.

NORTHAMPTON.—Assistant (ineligible) for Mixed business; Photography, Dentistry, etc.; capable of taking charge during Principal's absence; state salary, etc., enclose photo (to be returned). Lucas, Medical Hall, Kettering Road.

PRESTON.—Unqualified Assistant in good-class Dispensing and Light Retail business in centre of the town; no Sunday or night duty. Applicants, who must be men ineligible for the Army, or women, should send full particulars of experience, age, and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

READING.—Wanted, qualified Assistant for Dispensing and Light General Retail; lady or gentleman, if the latter must be ineligible; indoors. Apply, stating experience, full particulars, and salary required, to F. Tunbridge, 39 Castle Street, Reading.

REDCAR.—Wanted, Assistant, ineligible, for the season; outdoors; send photo and usual references, salary. Apply C. J. Allan, Chemist, Redcar.

ST. BARTHOLOMEW'S HOSPITAL, ROCHESTER.—Wanted, Locum-Tenens Dispenser for two months; Apothecaries' qualifications necessary. Apply, immediately, stating salary required, to Secretary, St. Bartholomew's Hospital, Rochester, Kent.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SWINDON.—Assistant (ineligible) required for good-class Mixed Retail Dispensing and Photographic business. Full particulars to Green & Co., Chemists. Swindon.

THE GLOUCESTERSHIRE ROYAL INFIRMARY, AND EYE INSTITUTION.—For the duration of the war, fully-qualified Dispenser (male), non-resident. Applications, stating age, qualifications, experience, and salary required, together with testimonials, to be forwarded to the Secretary, Royal Infirmary, Gloucester.

WEYMOUTH.—We desire the services of a lady Chemist (Minor qualification), and are prepared to pay a good salary to the right applicant; the situation is an easy one, and hours are not long; please give all particulars and say when free. Cole & Son, The Rexall Pharmacy, Weymouth.

WINCHESTER.—Wanted, qualified Manager; ineligible or over military age; good-class brisk business; good salary to suitable man; please send usual particulars and enclose photo. Eldred & Inge, Winchester.

WOLVERHAMPTON.—Temporary Assistant for holiday relief; 5 weeks commencing July 30th; qualification unnecessary. Please apply Phillips, Ph.C., Wolverhampton.

YORKSHIRE (West Riding).—Manager (qualified) required for progressive Cash business; must be a rejected man or above military age; liberal interest in the profits offered to a really capable man. "Urban" (265/261), Office of this Paper.

A LADY Assistant, qualified, for a Dispensing and Light Retail business; indoors. R. B. Betty, Pharmacentist, 1 Park Street, Gloster Gate, London, N.W.

ASSISTANT wanted (qualified) for Dispensing Counter; ineligible for Army or over military age; outdoors. Apply L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

ASSISTANTS over military age, incapacitated or exempt, wanting a situation, may call or write, giving full particulars of age, height, salary (outdoors), and experience, with photo, to Hooper, Struve & Co., Ltd., 26 Davies Street, London, W.

ASSISTANTS (unqualified) required at once for taking Prescriptions at Counter; ineligible or over age; good salary to capable man. Apply, before 12 or by letter, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

ASSISTANT wanted; accustomed to good-class Retail and Dispensing; outdoors. Burden & Co., Dispensing Chemists, 41 Store Street, Bedford Square, W.C.

ASSISTANT, male or female, wanted at once for Dispensing and Light Retail; must be a capable Dispenser; outdoors; easy hours. Full particulars as to salary required, etc., to Hampton, 86 Northgate Street, Gloucester.

ASSISTANT, unqualified, for Retail and Dispensing business; ineligible; sole use of good house accommodation if desired; suit married man; state full particulars and salary required. Butcher, Curnow & Co., Ltd., Blackheath, S.E. 3.

ASSISTANT required, having experience in executing orders received through the post for Patent Medicine and Druggists' Sundries. Apply, stating full particulars of past experience and salary required, to L. J., Stores, 105 Victoria Street, S.W. 1.

ASSISTANT wanted; West-End experience. Rouse & Co., 12 Wigmore Street, W. 1.

BRANCH Manager wanted at once; must be over military age or ineligible. Apply, personally or by letter, stating salary required, when disengaged, and enclosing recent photograph, to Parke's Drug Stores, 65 Harmood Street, N.W.

DISPENSER-BOOKKEEPER (Medical) required, experienced lady, from June 30th, for about three weeks; one preferred who could bring companion to reside with her in comfortable rooms provided but not essential. Terms, etc., to "C.," 1 Broad Street, Wokingham, Berks.

EVENING Dispenser, 6.30 to 9, required by Doctor; 1*d.* bus-ride from Bank. Give particulars age, sex, experience, salary required, status as regards military calling-up, to "Medious" (264/26), Office of this Paper.

FRANK A. ROGERS, 327 Oxford Street, W. 1., will have a vacancy shortly for an Assistant, lady or gentleman; please give full particulars of experience, salary, etc.

GOOD opportunity for reliable, gentlemanly, up-to-date man wishing a permanency, or with a view to succession, in established Business in N.W. London; must be ineligible for Army; hours 9 till 8 o'clock, Thursdays 1 o'clock; no Sunday duty. Write, stating experience, age, and salary desired, to "Mutual" (267/15), Office of this Paper.

MANAGER, qualified, required at once (ineligible) to take full charge; knowledge of Agricultural business essential. Apply, with full particulars, experience, age, references, and salary required, to Allen & Neale, King's Lynn.

MANAGER, qualified, required at once; outdoors; owner on active service. Apply, with full particulars, references, salary required, to Rowcroft & Co., 66 Week Street, Maidstone.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

MIDDLE-AGED or active elderly qualified Locum required for sixteen days commencing first or second week in July; small, quiet, middle-class business; single-handed; no Insurance. Terms and references to "Belsize N.W." (265/24), Office of this Paper.

QUALIFIED Assistant (lady or gentleman); hours 9 to 8, Saturday 9, Thursday 1; no Sunday duty; state salary, etc. Fellows, 47 Worcester Street, Wolverhampton.

QUALIFIED Manager for Branch; ineligible or over military age; Light Retail, with N.H.I. Dispensing; hours 9 a.m. to 8 p.m. except Thursday 1 p.m. and Saturday 9 p.m. Apply, stating age, salary, and enclose references, Roberts, Chemist, Abertridwr, near Cardiff.

QUALIFIED (lady or gentleman) wanted; easy berth; would suit elderly man. H. Knight, 21 Merton Road, Wimbledon.

QUALIFIED Assistant, elderly; required for good-class Business; hours 11 a.m. till 7 p.m., Saturdays 8.30 p.m., close 1 o'clock Thursdays; usual hours for meals. State salary required and usual particulars to Messrs. Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, London, S.E. 5.

QUALIFIED Chemist required at once; ineligible or over military age; brisk Counter trade; permanency for good man. Apply, giving full particulars in first letter, stating salary required, to Oxens, Ltd., Chemists, Newcastle, Staffs.

QUALIFIED Manager, ineligible for military service, required for high-class West-End Pharmacy. State salary required, age, and other particulars to 56/22, Office of this Paper.

QUALIFIED Assistant wanted; no Sunday duties; no Insurance Dispensing; hours 8 a.m. to 8 p.m., 1.30 Saturdays; Lancashire coast town; salary £3 weekly. Apply 268/17, Office of this Paper.

REQUIRED, lady Counter Assistant, with experience in selling Perfumery and Druggists' Sundries in ordinary demand; smart appearance; hours of work, 8.45 to 6 o'clock, 1 o'clock Saturday; no Sunday duty. Apply, stating full particulars of past experience and salary required, to L. J., Stores, 105 Victoria Street, S.W. 1.

SALESMAN and Dispenser wanted; unqualified; must be ineligible or over military age. Apply, personally or by letter, stating salary required and when disengaged, and enclosing, if possible, recent photograph, to Parke's Drug Stores, 65 Harmood Street, N.W.

UNQUALIFIED Manager for Branch near Oxford Circus; ineligible; good references required. Apply, with salary wanted, to 268/35, Office of this Paper.

WANTED, a Locum Tenens, any time in July or August. Apply King, Chemist, Sutton, Surrey.

WANTED, capable Assistant (unqualified); good salary; must have excellent references. Milburns, Chemists, 95/7 Northumberland Street, Newcastle-on-Tyne.

WANTED, a qualified Assistant as Locum from June 30th to September 2nd inclusive. Apply, stating experience and salary required, to "Pharmacist," West London Hospital, Hammersmith Road, W. 6.

WANTED, experienced Assistant; unqualified; outdoors. Reply, stating full particulars, to Ashfield, Chemist, Rhyl.

WANTED, young lady of good address as Counter Assistant and Stockkeeper during August and September in high-class Business at fashionable seaside resort; easy hours; close midday 1 hour. Apply, giving full particulars, salary required, and photo if posible, to 267/13, Office of this Paper.

YOUNG lady Dispenser required; one with Counter experience preferred; must have Apothecaries' Half qualification. Apply, personally, any morning except Saturday, Parke's Drug Stores, 65 Harmood Street, N.W.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

MANCHESTER.—Charles Midgley, Ltd., require Assistant for manufacturing Pharmaceutical Preparations, etc., and putting up orders; ineligible.

MIDLANDS.—Qualified Manager for Wholesale and Retail business; good prospects and permanency to right man. Apply, giving fullest particulars of previous experience, in first letter, stating salary required, etc., 266/23, Office of this Paper.

ASSISTANTS wanted at once for the Wet Room and Dry Room. Apply Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

DRUGGISTS' SUNDRIES.—Manufacturers require Representative Central London; salary, expenses, and commission. State age, experience, with other particulars, in first instance, to "J. R." (53/62), Office of this Paper.

LABORATORY Assistant required by provincial firm of Wholesale Manufacturing Druggists; must have experience in the manufacture of Emulsions, Syrups, etc., and ineligible for military service. Apply, giving usual particulars, to 265/14, Office of this Paper.

LABORATORY Assistant (lady), Minor, qualified, required in London Factory for Perfumery and Toilet Products; progressive salary, and permanency to accurate and responsible worker. Apply, by letter, to "Export" (46/44), Office of this Paper.

LABORATORY.—Experienced man wanted for general Pharmaceutical work. Stevenson & Howell, Ltd., 95a Southwark Street, S.E. 1.

LADY required as Commercial Representative calling on Doctors and Chemists; knowledge of Pharmacy essential. Apply, with full particulars, to 56/39, Office of this Paper.

QUALIFIED Pharmacist required (male or female); must have passed the Minor examination; preference given to a candidate who has had experience in Retail Pharmacy; light and instructive employment in the house of a leading firm of Manufacturing Chemists. Apply, enclosing photograph (to be returned), stating age, experience, and salary required, to 56/40, Office of this Paper.

WANTED, in large Retail Business, Warehouseman, accustomed to putting up Drugs and Chemicals; short hours. Apply 55/48, Office of this Paper.

WANTED, at once, by a Wholesale firm, a man to assist in the Manufacture of Tinctures, etc. State experience and wages required. Apply 268/40, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

CHINA.—One or two thoroughly competent Assistants (ineligible for military service); age 21-30; must have had good experience in high-class Retail business; liberal terms; two years' agreement; passage paid out and home. Address, "China" (268/37), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

A LADY desires post as Dispenser-Bookkeeper, etc., to a Doctor; experienced; well recommended. Miss Gray, Worcester Road, Ledbury, Herefordshire.

AN experienced Assistant or Manager, accustomed to brisk Counter trading, would be glad to hear of a permanent post; 30 years in the Business; thorough in every Department; active, smart; beyond all military quibbles; unqualified. Apply 266/8, Office of this Paper.

AS Bookkeeper, Typist, or Packer; experienced; London or Country. "B.," 176 Portsdown Road, Maida Hill, W.

ASSISTANT, unqualified, disengaged; rejected; capable; W. London preferred. "Cicfa," 8 Westville Road, Shepherd's Bush, W.

ASSISTANT; unqualified; over age; married; competent; experienced; trustworthy; Extractor, Dispenser; permanency; disengaged July 2nd. P., Park House Cottage, Burgoyne Road, South Norwood.

ASSISTANT or Locum; disengaged; ineligible. "Alpha," 126 Stephendale Road, Fulham, London, S.W. 6.

ASSISTANT; 23; discharged from Army; good experience in Dispensing, Windows, and Counter; Brighton, Eastbourne, or Hastings preferred. Apply "Medinol" (266/33), Office of this Paper.

BRANCH Manager; permanent or Locum; C 3; 38; varied experience; unqualified. "Phenol," 33 Crosby Road, Birkdale, Southport.

CHEMIST offers his services two evenings weekly in N.W. or W. district; Dispensing preferred. E., 15 Nicoll Road, Harlesden, N.W. 10.

CHEMIST'S daughter, experienced, capable, Dispensing, Front Counter, wants post with private Chemist; take charge occasionally or manage with qualified Dispenser; disengaged now. Apply 55/69, Office of this Paper.

CHEMIST-DENTIST; unqualified; Manager, Locum, or Partnership; 42; married. "Rawcliffe," East Grinstead.

DISPENSER-BOOKKEEPER.—Rector's daughter, qualified, thoroughly experienced, seeks permanent post, Doctor or Institution; highest references. "Dispenser," 54 de Freville Avenue, Cambridge.

DISPENSER; quick and accurate; persuasive salesman; fluent French and Italian; City and West-End experience. Address "M. B." (265/23), Office of this Paper.

LADY Dispenser (Hall) desires post, Institution or with Doctor; some experience. Apply 265/18, Office of this Paper.

LADY Dispenser (Hall) seeks post, Doctor or Civil Hospital, North London; Winchmore Hill neighbourhood preferred; permanent. Miss B., 69 Dunsmure Road, N. 16.

LADY Dispenser, Apothecaries' Hall, requires post, Doctor or Institution; experienced; good references; would take Locum work. Miss Redfern, Braemore, Gratwicke Road, Worthing.

LADY Dispenser, unqualified, would like work with Chemist three evenings a week; no salary. Nance, Beauchamp Lodge, Warwick Crescent, W. 2.

LADY Dispenser (Hall) seeks post Chemist or Doctor; South Wales preferred. Apply 267/1, Office of this Paper.

LADY, Apothecaries' Hall certificate, requires post as Dispenser; Doctor, Chemist, or Institution; Manchester or close vicinity. Unwin, 86 Great King Street, Macclesfield.

LADY Dispenser, unqualified, would like work in the evenings; S.W. district preferred. Apply "Y." (266/14), Office of this Paper.

LADY Dispenser requires part-time post in or near Woolwich; Hall qualification; testimonials for private and public work. W. E. R., 162 Devonshire Road, S.E. 23.

LADY, disengaged, wishes situation with Chemist, to help with Stock and at the Counter; had a little experience; London area or near London. Apply, 268/11, Office of this Paper.

LOCUM; qualified; 23; first fortnight July; good Dispensing and Counter experience; Town preferred; good references. Apply 264/23, Office of this Paper.

LOCUM, qualified, well recommended, disengaged July 5th. Stone, c/o Cupitt, 2 Upper St. James' Street, Brighton.

LOCUM, qualified, first-class experience, disengaged July 8th; £5. Davies, 29 Vernon Terrace, Brighton.

LOCUM; qualified; outdoors; disengaged shortly. Snoxell, 75 Woodbridge Road, Guildford.

LOCUM or otherwise; disengaged shortly; age 48; unqualified. "Desmond," 37 Upper Kennington Lane, S.E.

LOCUM; 44; June 18th to July 16th vacant; unqualified. Howes, 15 Hexthorpe Road, Doncaster.

LOCUM; 25 years' Dispensing experience; Hospital or Doctors preferred; £3; permanency considered; Croydon or London; as Druggist's Dispenser. C. S., 19 Rockmount Road, S.E. 19.

LOCUM, qualified, Manager, disengaged from June 20th for 2 weeks. Apply 268/38, Office of this Paper.

M.P.S.; 50; Hospital or N.H.I.; part time or Locum; S.W. London. Apply 263/27, Office of this Paper.

MANAGER, with or without view succession; thorough all-round experience; exempt; Dental experience; Country preferred. Apply 263/31, Office of this Paper.

MANAGER; ineligible; experienced; active; qualified. Hyne, 264 Wellington Road, Birchfield, Birmingham.

MANAGER, unqualified, seeks situation; over military age; all-round experience; good Salesman, Window-dresser; accustomed to N.H.I., etc.; smart and active. Address "Bromo," 1 Lowwood Grove, Borough Road, Birkenhead.

MANAGEMENT or very easy Partnership required by Ph.C., over military age, in first-class Business (only); University training, and conversant with Medical literature and progress; would form mutually beneficial alliance with Pharmacist called up from a business too good to throw on the market in the ordinary way. "Opt" (268/39), Office of this Paper.

PART-TIME, lady Dispenser (Hall), experienced; disengaged up to 4 p.m. L., 3 Culross Street, Mayfair, W. 1.

PHARMACIST, 29, experienced, reliable, seeks position A tant Manager or Locum for summer; Country only; engaged July. Trump, 12 Wellington Square, Chelsea.

PHARMACIST; tall, slim, active; 49; good at Counter, pensing, Dentistry; London; or would travel. Salary, b "X. Y. Z." (266/25), Office of this Paper.

PHARMACIST, 30, desires temporary situation in or Liverpool; B 3; good references. Apply 267/10, Offi this Paper.

PHARMACIST, qualified (over military age), Provincial, St and West-End experience, seeks position as Manager Senior. Apply 268/33, Office of this Paper.

POSITION wanted as Manager in Light Business, or wh Junior is kept, by qualified middle-aged man; Town Provincial experience. "Thermos" (266/40), Office of Paper.

QUALIFIED, competent, energetic, and trustworthy Mar over military age, with London and Provincial exc experience and references, desires a permanent situation; doors; shortly disengaged; would accept an interest in and wards buy a good-class Business. Williams, Pharmacist Conran Street, Harpurhey, Manchester.

QUALIFIED; 42, healthy, active; 25 years' experi Counter, Dispensing, Prescribing, and Extractions; weekly; disengaged. Thompson, Douglasville, Bridge of Aberdeen.

QUALIFIED, 25, conditional exemption, C 3, desires be Midlands. Apply 267/26, Office of this Paper.

QUALIFIED; Managership; 35; tall, good appearance; experience; healthy country town; easy hours; total e tion; succession or interest later. "Scot" (268/36), Offi this Paper.

RELIABLE Dispenser and Surgery Attendant, 29, disen July 15th, requires Locum or permanency with Doc Institution; last situation 5 years with Doctor. Write M. I 25 Osborn Street, E. 1.

SITUATION wanted by lady as Dispenser to Doctor Hospital. Hall qualification; Leicestershire preferr possible. Apply, in first instance, to Mr. Goodess, Pharm 25 Market Street, Leicester.

TAYLOR, 116 Shepherd's Bush Road, Hammersmith, W. Holiday relief for fortnight any time. Also part Thursdays and Sundays.

TEMPORARY or permanency; 46; qualified; competen liable; first-class references; disengaged June 30th; Mayfair 1218. Jones, 49 Hertford Street, Mayfair, W. 1.

UNQUALIFIED lady; 24; good experience in Dispensing Counter; London preferred. Apply 266/34, Office of Paper.

UNREGISTERED, fully-trained Manager, Locum; ineli salary. Apply "Chemicus" (266/27), Office of this Pa

WAR HELP OR TEMPORARY.—Retired Pharmacist, 56, active, successful proprietor Provincial Dispensing, experience highest London, offers services; congenial post; modest; Midlands or South; select business. Apply "Carry (268/19), Office of this Paper.

YOUNG lady (Hall qualification) requires post as Dispenser Hospital or Doctor. Apply Dod, 1 Old Town, Cla S.W. 4.

WHOLESALE.

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ADVERTISER, extensive connection West, South-West, South-East, and East England, requires Chemists' Spe ties or Proprietary Lines; all journeys by motor. Apply 26 Office of this Paper.

CHEMIST, 30, ineligible, offers services as Represent sound knowledge of the Business; good appearanc address. Apply 49/48, Office of this Paper.

EXPERIENCED Warehouse, Office, General Help or Trav London only; fair wage; ineligible. Apply 268/12, Of this Paper.

LABORATORY.—Advertiser, capable of taking charge, desires change; 23 years' practical experience in the Manufacture of Galenicals, Emulsions, Specialities, etc.; Yorks. or Lancs. preferred. Apply 266/37, Office of this Paper.

LADY Chemist, Major qualification, requires responsible position in Manufacturing Laboratory; good experience in Manufacture of all Toilet Articles and Matching of Samples. Apply 266/32, Office of this Paper.

MANUFACTURING Chemist, well up in Galenicals, Syrups, Toilet Preparations, wishes to join good London firm; military exempted; best references. "Saliperin" (263/30), Office of this Paper.

MISCELLANEOUS.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES.—Large quantity of All-Glass Counters (second-hand), Silent Salesman, and upright Cases with glass shelves; most useful and paying adjuncts to any Pharmacy; make splendid show; moderate prices; all other Pharmacy Fittings ready for immediate use. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C. 1.

4 CWT. A. & H. Fatless Stearic Acid; 5 gross dusting-powder Tins, lever bottoms, sprinkler tops; one No. 10 Yost Typewriter, nearly new; two 8-gallon Carboys, pear-shape, Maws; 1 lb. Ol-Amygoll Dulc.; ½ lb. Cera Alb.; 2 lb. Cera Flav.; 8 oz. Camphor flor. A. Smith & Co., 116 Shepherd's Bush Road, Hammersmith, W.

8/6 3 Years 4 Columns

Jay Mack's Ledger

gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.

10/6 4 Years 5 Columns

On approv. on receipt of cheque. 6d. Booking Fee if returned.

Mack-Ivor, Hightown P.O., Crewe. | Ayrtons, Evans, Bleasdale, Ucal Baines (Edinb.) | Australia: Elliotts, C.D.A. | S. Africa: Border Drug, Gardners.

HIGH PRICES FOR CAMERAS

Original Cost Price for Vest Pocket Kodaks, R.R. Lens, and Watch Pocket Carbines. Try us for Single Models, Dealers' Stocks, Ensignettes, &c. We reply promptly and courteously, and goods are returned at once, CARRIAGE PAID, if no business is done.

WATSONS, 84 High St., Sheffield.

WANTED—Firm of Tablet Manufacturers

to quote for making quantities of Saccharin Tablets from Saccharin supplied. We have several machines turning out our usual requirements, but we desire the services of another firm to aid us in executing surplus of Saccharin in hand. Please let us have particulars as to quantities which can be supplied daily. Apply TABELLÆ, 251/27, Office of this Paper.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.
12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
1 " 2 "

Lowest Market Prices Charged.

BLUE LOTION BOTTLES, all sizes.

CORKS, Superior quality. No advance in price.
6 and 8 ounce ... ... 1s. per gross, in 6 gross bags.
Vials ... ... 10d. per gross, in 3 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

H. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W.1,
or ISLINGTON BOTTLE COMPANY,
7 New Inn Yard, Tottenham Court Road, London, W.1.
Orders sent to either establishment have attention.
Established 100 years.
Bankers: London County and Westminster Bank, Bloomsbury Branch.

WAR WANTS EXCHANGE.

For the interchange of scarce pharmaceutical products. Minimum charge (prepaid)) which includes registration fee: 1/- for six words or less; 2d. per word beyond.

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,
"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets (265/30)
Anæsthesin (267/17)
Aspirin (Bayer's) (267/5)
Chinoral (265/30)
Corn-paint brushes (56/36)
Eugallol (265/30)
Euresol pro capillis (265/30)
Famel syrup (265/30)
Glycerine (pure) (263/26)
Guaiacol carb. (265/30)
Sodium salicylate, 14 lb. (265/30)
Theocin sodium acetate (267/17)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

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FOR DISPOSAL.

OPTICAL AND PHOTOGRAPHIC.

COLUMBIAN Photo Burnisher, 10-inch roller; splendid condition; 25s. or nearest offer. Gamlen, Chemist, West Hartlepool.

MISCELLANEOUS.

CENTRIFUGE, hand-driven, 15s.; Avery's Personal Weighing Machine, standard pattern, £4; both in good condition. Apply 264/16, Office of this Paper.

WANTED.

WANTED, Tube Filler to hold about one gallon. Apply 55/54, Office of this Paper.

SACCHARIN wanted; state quantity, quality, and lowest price. Walton, Chemist, Batley Carr.

MILL wanted (power) for milling Ointments, etc. State make, capacity, and price to Cupal, Ltd., Blackburn.

OPTICAL Trial Case, rimmed lenses, medium size. State particulars, "Lenso," 2 Albion Road, Clapham, London, S.W.

GARDNER'S No. 6 Sifter and Mixer, in good condition, wanted with F & L Pulley. State price. Spelmot Chemicals, Ltd., Gravesend.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

GLASS Tubes, metal screw-cap, two and a half inches by ten-sixteenths inch. Send sample and quote per 1,000 or quantity to offer, G. F. Merson & Co., 7 Mouse Lane, South St. Andrew Street, Edinburgh.

FORMULA for good Garden Pest Destroyer, wireworm, greenfly, ants, etc; state whether poisonous, harmful to plants, approximate making cost. Russell, 27 Store Street, London, W.C. 1.

WANTED, Glass Bottles, white, 2 to 4 oz., screw caps preferred though not essential. Also Tins for boot polishes, liquid metal polish, and health salts, etc. Samples and prices, "Brytenup" Polish Works, Preston.

CORN-PAINT BRUSHES.

WANTED, immediately, any quantity, from 1 gross upwards. Send sample and state lowest price for cash with order. Victor Latty, Chemist, Brislington, Bristol.

PAPER

Whits Demy, Yellow Wove (Blue), Brown Tissue, Whits and Coloured Do., Small Hands (Whitey-Brown) Sulphites, Kraftsa, and English Browns. Twine in 8 oz. balls @ 10/6 per doz. Parcel String in 1 lb. balls @ 15/- per doz. Samples sent on receipt of card stating size and weight of paper required. Cash with order.

D. W. BULL,
4 Churchill Road, Homerton, E 9.

IMPORTANT NOTICE.

The "Allenburys" Rusks

We are now able to accept orders for the "Allenburys'" Rusks, and much regret the inconvenience caused to Pharmacists on account of our inability to do so earlier.

Orders now sent to us will be executed in rotation, and the trade is asked not to order in excess of actual requirements.

It has been proved necessary to revise the retail and wholesale prices of the Rusks, as printed below, in consequence of the continued advance in the cost of the necessary raw materials, etc.

REVISED PRICES.

Size.	Minimum Retail Price.	Gross Wholesale Price (Subject to our usual terms).
2/6	2/6	25/9 per dozen.
4/6	4/6	46/6 per dozen.

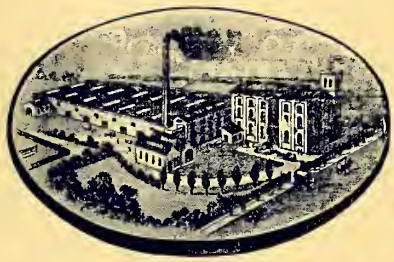
ALLEN & HANBURYS LTD., LONDON.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-Street Square, E.C. 4, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*June* 16, 1917. [72]

The Wigglesworth Way

CORNS!

The pinch of the Corn is now being felt. Every sufferer—and there are thousands—is on the look-out for a means of relief from the sharp shooting pains these pests inflict.



The Wigglesworth Way with its original selling ideas has been adapted to specially appeal to these people. The attractive show material, supplied gratis, together with the neat packages, will make a display in the window which cannot fail to draw any Corn victims into your Pharmacy.

There are five lines to select from.

1917 SPECIALITIES

MOVE-ON
and
CORN ROOT DESTROYER

These comprise a tube fitted with Corn Paste, adhesive plaster, and corn pad, enclosed in a slide box, with attractive two-colour label.

GREEN SEAL CORN DISCS

The usual green plaster disc, the oval non-slip protector. The two-colour labelled box in silent salesman outer makes a most effective counter or window display.

EASY CORN CURE
and
KURA KORN

Liquid Corn Paint. The bottle is enclosed in cardboard tube, with an attractive and striking label printed in colours.

Samples and Prices will be sent on receipt of postcard.

WIGGLESWORTH LTD.
WESTHOUGHTON, LANCS.

TO WHOLESALE & EXPORT TRADES. ESTABLISHED 1846.

Extracts
Tinctures in Bond

RANSOMS

Resins
Essential Oils

WILLIAM RANSOM & SON, LTD.,
MANUFACTURING PHARMACEUTICAL CHEMISTS.
Distillers of Essential Oils and Cultivators of Medicinal Plants.
HITCHIN, near LONDON. Telephone: 95 HITCHIN.

"A Guarantee" Cadbury's Cocoa (Regd. Trade Mark.) is absolutely Pure and prepared only from the Finest Selected Cocoa.
Cadbury, Bournville.

50 YEARS' REPUTATION.
FENNINGS' CHILDREN'S POWDERS
ADVERTISED EVERYWHERE. *READY SALES.*

AND COMPANY
MANUFACTURING CHEMISTS and WHOLESALE DRUGGISTS . . .
We especially invite inquiries for
FURNITURE CREAMS EMULSIONS
OINTMENTS SEIDLITZ POWDERS
White Horse Street, LEEDS. . . . . Telephone: 3574 Central (4 lines).

Printed for the Proprietors by SPOTTISWOODE BALLANTYNE & CO. LTD., New-St. Square, E.C. 4; and Published by the Proprietors at 42 Cannon Street, in the City of London.—*June* 16, 1917.